

KCM

SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

June 8, 2021

To: Hamilton County Drainage Board

Re: Thistlethwaite Drain, Aaron Rawlings Arm, Maple Run Section 4 Arm.

Attached is a petition filed by Arbor Homes along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Maple Run of Sheridan Section 4 located in Adams Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. As per the plans by Stoepelwerth & Associates Engineering, Project No. 51510ARB-S4, the drain will consist of the following:

Open drain 470 feet

The total length of the drain will be 470 feet.

The section of drain that is to become part of the regulated drain system with this hearing are briefly described as follows. Beginning at the southwest corner of Lake 4 (pond) at the proposed Structure #C01 (to be constructed with Maple Run Section 5) in Maple Run Section 4 then runs north through Lake 4 (pond) to Structure #B04 (constructed with Maple Run Section 3B) at the northern end of Lake 4. Lake 4 (open channel) is shown on Sheets C200, C600 & C601 of the above-mentioned plans. The open ditch is measured as a straight line through Lake 4 between the aforementioned structures.

The Maple Run Section 4 Arm as described above will be part of the Thistlethwaite Drain, Aaron Rawlings Arm. Lake 4 is not to be considered part of the regulated drain. The maintenance of the pond shall include the inlet, outlet (Structure #C01 and Structure # B04) as

part of the regulated drain. The maintenance of the pond such as sediment removal, and erosion control along the banks, mowing and aquatic vegetation control will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond was designed will be retained, allowing no fill or easement encroachments.

The Maple Run Section 4 Arm as described above will be part of the Thistlethwaite Drain, Aaron Rawlings Arm. Maintenance of the remaining drainage facilities within Maple Run Section 4 Subdivision shall be under the Town of Sheridan and or the Maple Run Homeowners Association. Maintenance of the BMPs within Maple Run Section 4 Subdivision shall also be under the Town of Sheridan and or the Maple Run Homeowners Association.

The regulated drain portion of the Thistlethwaite Drain, Aaron Rawlings Arm, Maple Run Section 4 Arm is the open portion of Lake 4 between the inlet constructed with Maple Run Section 3 and the outlet constructed Maple Run Section 5. As such, the performance bond for the storm drain held by the Town of Sheridan for Maple Run Section 4 was deemed satisfactory to ensure the construction of Lake 4 per the approved plans.

The bond information is as follows:

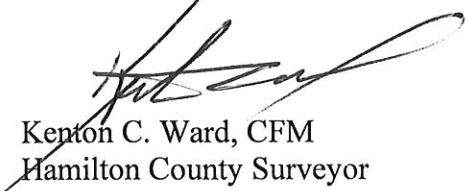
Agent: National Indemnity Company
Date: January 27, 2021
Bond Number: 70NGP184991
For: Storm Sewers
Amount: \$386,453.00

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. The maintenance assessment rates have been adopted by the Board at its meeting on September 24, 2018 (see Hamilton County Drainage Board Minute Book 17, Pages 249-250). Maple Run Section 4 will be assessed at the Un-Regulated Subdivision rate of \$5.00 per acre, \$35.00 per lot and minimum.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request will be for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Maple Run of Sheridan Section 4 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for July 26, 2021.


Kenton C. Ward, CFM
Hamilton County Surveyor

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: Maple Run, Section 4)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

Arbor Homes (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Thistlewaite Legal Drain, and in support of

said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Thistlewaite Legal Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Thistlewaite Legal Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Thistlewaite Legal Drain, without cost to other property owners on the watershed of the Thistlewaite Legal Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Thistlewaite Legal Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

Lantz McElroy
Signed
Lantz McElroy
Printed

FINDINGS AND ORDER


CONCERNING THE MAINTENANCE OF THE

**Thistlewaite Drain, Aaron Rawlings Arm
Maple Run Section 4 Arm**

On this 26th day of July, 2021, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Thistlewaite Drain, Aaron Rawlings Arm, Maple Run Section 4 Arm.**

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD



President



Member

Member

Attest: 
Executive Secretary

Bond #: 70NGP184991

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That Clayton Properties Group Inc., Dba: Arbor Homes as Principal (hereinafter called the Principal) and National Indemnity Company, a corporation organized and existing under the laws of the State of Nebraska and authorized to transact surety business in the State of Indiana, as Surety (hereinafter called the Surety) are held and firmly bound to Town of Sheridan (hereinafter called the Obligee) in the Penal Sum of Three hundred eighty-six thousand, four hundred fifty-three and 00/100 dollars (\$386,453.00) for the payment whereof, well and truly to be made, said Principal and Surety bind themselves, their heirs, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THE OBLIGATION IS SUCH THAT: The above-named Principal has entered into an agreement, dated FEBRUARY 1ST, 2021 with the Obligee to do and perform work, to wit: Maple Run Section 4 - Storm Drainage System.

WHEREAS: If the above-bounden Principal shall well and truly perform the work referred to in such agreement, then this obligation shall be void, otherwise remain in full force and effect.

PROVIDE, HOWEVER: That this bond is subject to the following conditions:

1. The Penal Sum amount of this bond shall not increase, absent Surety's written consent, regardless of any change, alterations, or modifications to the underlying documents. The aggregate liability of the surety is limited to the penal sum stated herein regardless of the number or amount of claims brought against this bond and regardless of the number of years this bond remains in force.
2. In no event shall the Surety be liable for fines, penalties, liquidated damages, or forfeitures assessed against the Principal.
3. No Claim, action, suit or proceeding, except as hereinafter set forth, shall be had or maintained against the Surety on this instrument unless same be brought or instituted upon the Surety within one (1) year from Principal default or termination.

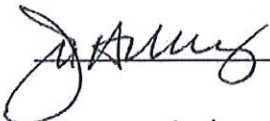
4. No right of action shall accrue on this bond to or for the use of any person or corporation other than the Obligee named herein or the heirs, executors, administrator or successors of Obligee.

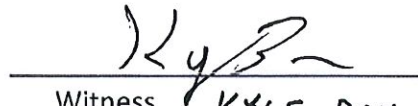
5. If any conflict or inconsistency exists between the Surety's obligations or undertakings as described in this bond and as described in any underlying documents, then the terms of this bond shall prevail.

IN WITNESS WHEREOF, the seal and signature of said Principal is hereto affixed and the corporate seal and the name of the said Surety is hereto affixed and attested by its duly authorized Attorney in Fact the 1ST day of FEBRUARY, 2021.

PRINCIPAL:

Clayton Properties Group, Inc., Dba: Arbor Homes

 _____ (SEAL)
John Hillenbug, VP LAND
(Print Name & Title)


Witness KYLE BAYLESS

SURETY:

National Indemnity Company

 _____
Matthew G. Grantham, Attorney-in-Fact



POWER-OF-ATTORNEY

70NGP184991

NATIONAL INDEMNITY COMPANY
1314 DOUGLAS STREET, SUITE 1400, OMAHA, NEBRASKA 68102-1944
(402) 916-3000

KNOW ALL MEN BY THESE PRESENTS: This Power-of-Attorney is not valid unless attached to the duly-executed bond that it authorizes. This Power-of-Attorney specifies THE AUTHORITY OF THE ATTORNEY-IN-FACT and THE LIABILITY OF NATIONAL INDEMNITY COMPANY, WHICH SHALL NOT EXCEED:

**THREE HUNDRED EIGHTY-SIX THOUSAND,
FOUR HUNDRED FIFTY-THREE AND 00/100 DOLLARS
(\$ 386,453.00)**

NATIONAL INDEMNITY COMPANY, a Nebraska corporation, having its principal office in the City of Omaha, State of Nebraska, does hereby make, constitute and appoint Matthew G. Grantham in the City of Omaha, County of Douglas, State of Nebraska, its true and lawful attorney-in-fact, at Omaha, in the State of Nebraska, to make, execute, seal and deliver for and on its behalf, and as its act and deed, any and all bonds and undertakings, provided that the liability of the Company as surety on any such bond executed under this authority shall not in any event exceed the sum shown above.

THIS POWER VOID IF ALTERED OR ERASED

The acknowledgement and execution of any such document by the said Attorney-In-Fact shall be as binding upon the Company as if such bond had been executed and acknowledged by the regularly-elected officers of this Company.

This Power of Attorney is granted, and is signed and sealed by original signature, under and by the authority of the following Resolution adopted by the Executive Committee, as duly authorized by the Board of Directors of NATIONAL INDEMNITY COMPANY, at a meeting duly called and held on the 15th day of March, 2017:

RESOLVED, That the President, any Vice President or the Secretary shall have the power and authority to (1) appoint Attorneys-in-fact and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) remove at any time any such Attorney-in-fact and revoke the authority given.

FURTHER RESOLVED, That any Surety Administrator or Surety Underwriter shall have the power and authority to appoint Attorneys-in-fact and to authorize them to execute on behalf of this Company any license bond with a limit of \$10,000 or less.

FURTHER RESOLVED, That any Surety Administrator shall have the power and authority to appoint Attorneys-in-fact and to authorize them to execute on behalf of this Company (1) any bond, except an appeal bond, with a limit of \$10,000 or less and (2) any license bond with a limit of \$50,000 or less.

In Witness Whereof NATIONAL INDEMNITY COMPANY has caused its official seal to be hereunder affixed, and these presents to be signed by its Senior Vice President this 27th day of January, 2021.

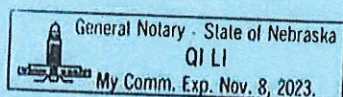
NATIONAL INDEMNITY COMPANY



BY Philip M. Wolf
(Name) Philip M. Wolf
(Title) Senior Vice President

STATE OF NEBRASKA }
COUNTY OF DOUGLAS } ss.:

On this 27th day of January, 2021, before me, a Notary Public, personally appeared Philip M. Wolf, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as Senior Vice President of said NATIONAL INDEMNITY COMPANY and acknowledged said instrument to be the voluntary act and deed of said corporation.



Qi Li
Notary Public, Nebraska

1. THIS POWER DOES NOT AUTHORIZE EXECUTION OF BONDS OF NE EXEAT OR ANY GUARANTEE FOR FAILURE TO PROVIDE PAYMENTS OF ALIMONY SUPPORT OR WAGE LAW CLAIMS, OR BONDS FOR CRIMINAL APPEARANCE.
2. THIS POWER DOES NOT AUTHORIZE THE EXECUTION OF BONDS FOR LOAN GUARANTEES.

NI-1180bb (08/18)

This Power Can Only Be Used in The State of: INDIANA
This Power Can Only Be Used For The Following Oblige(s): TOWN OF SHERIDAN
Bond Title or Description: PERFORMANCE BOND - MAPLE RUN SECTION 4, STORM DRAINAGE SYSTEM
Principal or case reference: CLAYTON PROPERTIES GROUP, INC. DBA ARBOR HOMES

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

***Thistlethwaite Drain, Aaron Rawlings Arm
Maple Run Section 4 Arm***

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Thistlethwaite Drain, Aaron Rawlings Arm, Maple Run Section 4 Arm** on **July 26, 2021** at **9:15 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

**Thistlethwaite Drain, Aaron Rawlings Arm,
Maple Run Section 4 Arm**

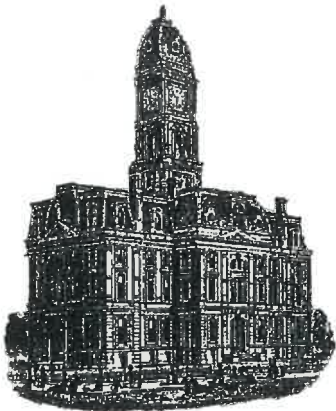
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **July 26, 2021** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

June 9, 2022

Re: Thistlewaite Drain: Aaron Rawlings Arm – Maple Run Sec. 4 Arm

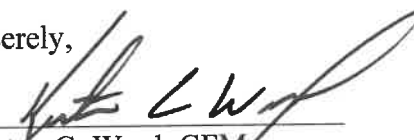
Attached are as-built, certificate of completion & compliance, and other information for Maple Run Section 4. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes there were no significant changes made to the drainage plans submitted with my report for this drain dated June 8, 2021. The report was approved by the Board at the hearing held July 26, 2021. (See Drainage Board Minutes Book 20, Pages 102-104) Therefore, the length of the drain remains at **470 feet**.

The non-enforcement was approved by the Board at its meeting on July 26, 2021 and recorded under instrument #2021054947. The surety for this project was obtained and held by the Town of Sheridan.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,


Kenton C. Ward, CFM
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Maple Run, Section 4

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana.
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision.
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.

Signature:  Date: 6/14/2021

Type or Print Name: Dennis D. Olmstead

Business Address: Stoepelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL

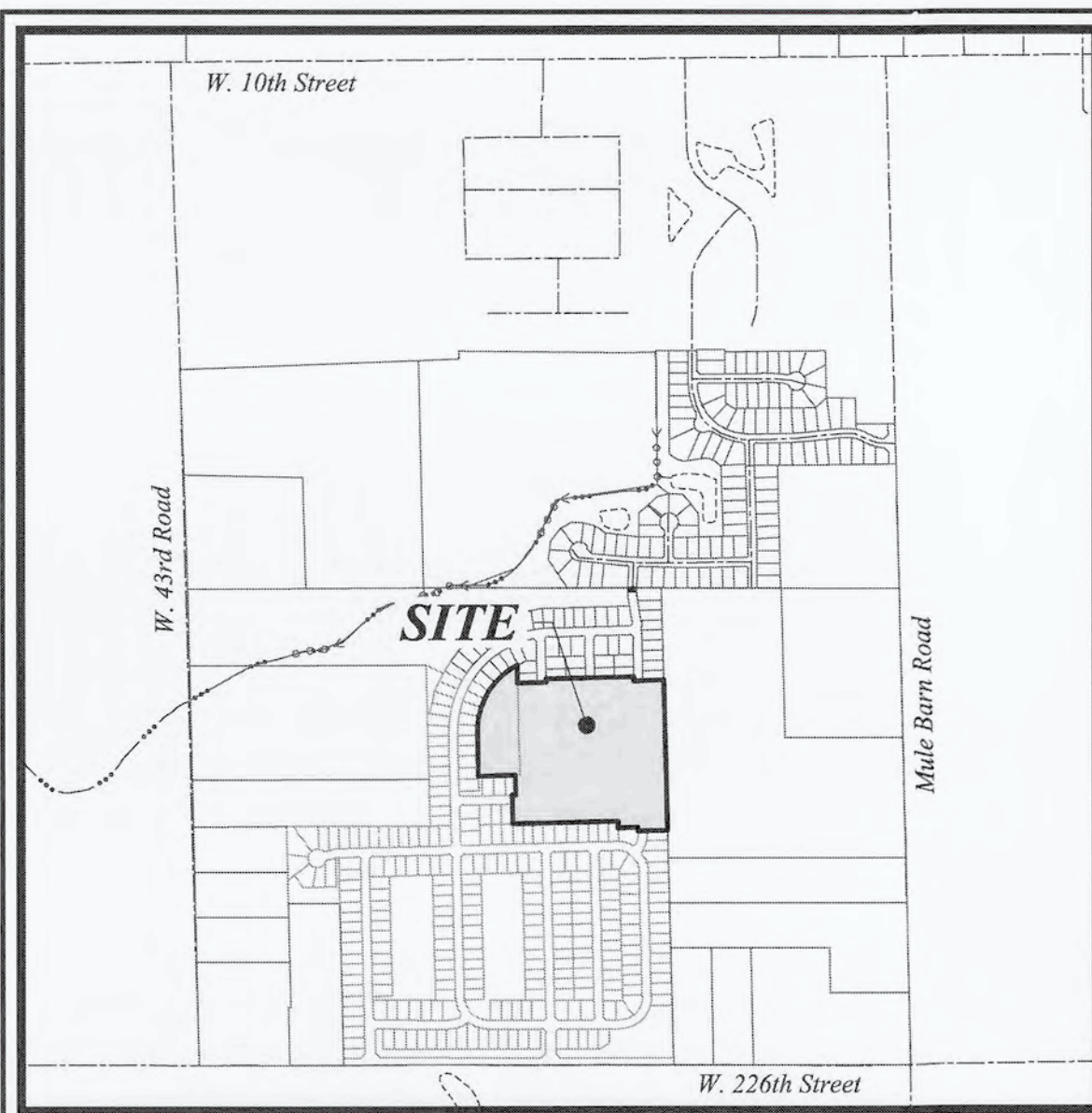
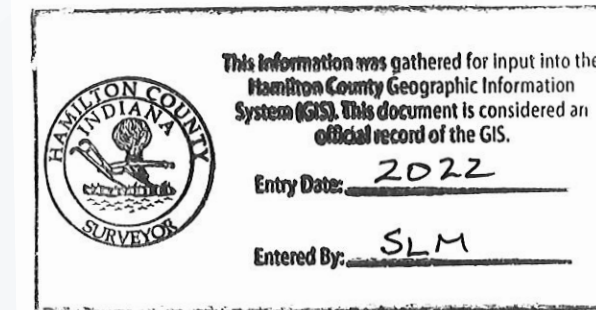
INDIANA REGISTRATION NUMBER

900012

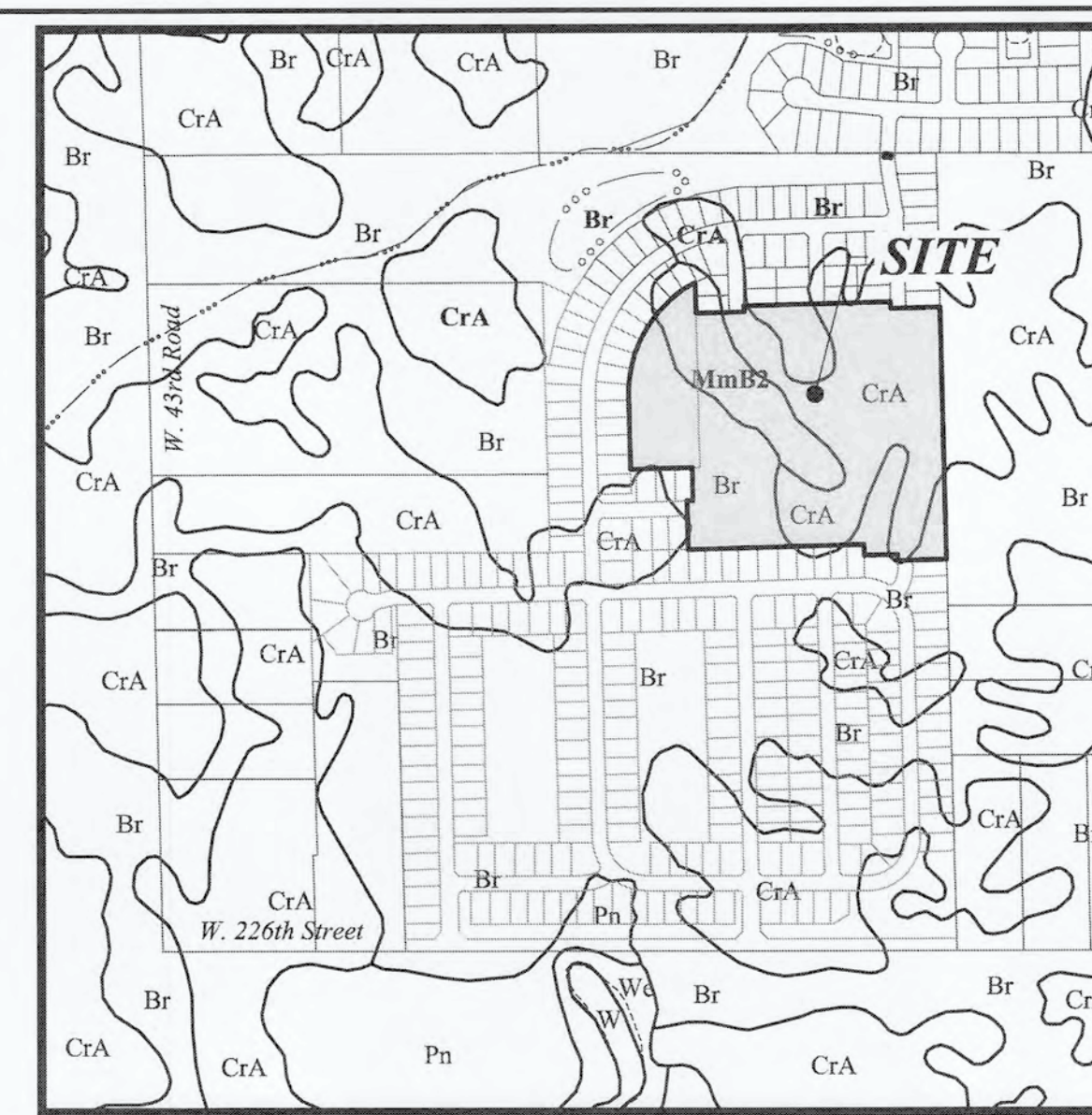


MAPLE RUN Section 4

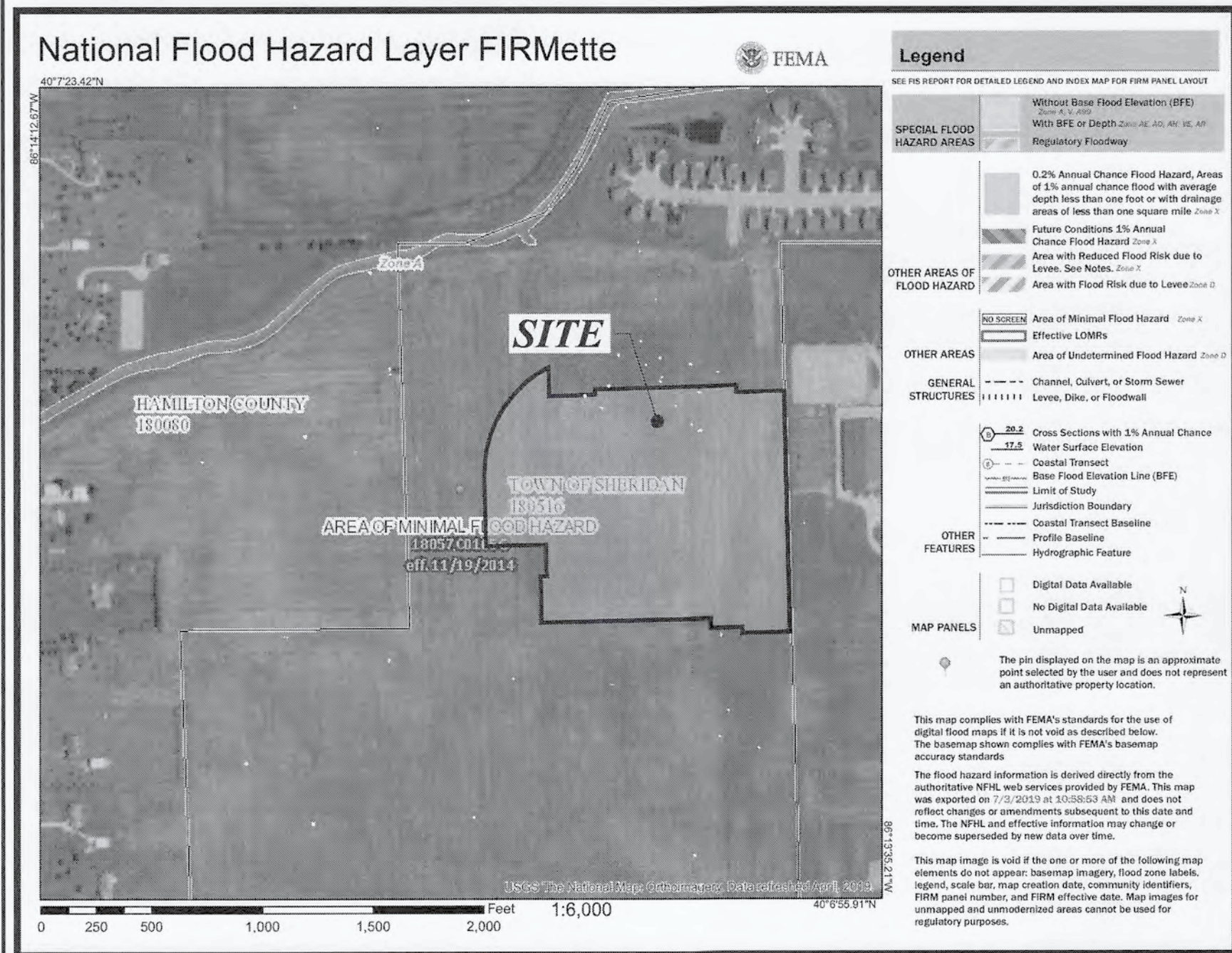
Developed by:
Arbor Homes
9225 Harrison Park Court
Indianapolis, Indiana 46216
Contact: **Sean Downey**
Phone: **(317) 429-9653**



LOCATION MAP
SCALE: 1" = 1,000'



SOILS MAP
SCALE: 1" = 600'



FLOOD MAP
NOT TO SCALE

Panel 18057C0105G
Effective November 19, 2014

FLOOD STATEMENT
THIS IS TO CERTIFY THAT NO GRADED PORTION OF THE SUBJECT PROPERTY IS LOCATED IN A SPECIAL FLOOD HAZARD ZONE "A" AS SAID TRACT PLOTS BY SCALE ON COMMUNITY PANEL 18057C0105G OF THE FLOOD INSURANCE RATE MAPS DATED NOVEMBER 19, 2014.

SHT. NO.	COVER SHEET	DESCRIPTION
C001	COVER SHEET	
C100	TOPOGRAPHICAL SURVEY/DEMO PLAN	
C200 - C206	SITE DEVELOPMENT PLAN OFFSITE GRADING PLAN EMERGENCY FLOOD ROUTE PLAN - INTERIM EMERGENCY FLOOD ROUTE PLAN - FINAL	
C300 - C309	CONSTRUCTION ENTRANCE LOCATION & ROUTE INITIAL STORM WATER POLLUTION & PREVENTION PLAN TEMPORARY STORM WATER POLLUTION & PREVENTION PLAN PERMANENT STORM WATER POLLUTION & PREVENTION PLAN STORM WATER POLLUTION & PREVENTION SPECIFICATIONS STORM WATER POLLUTION & PREVENTION DETAILS	
C400 - C409	STREET PLAN & PROFILES (ONSITE & OFFSITE) INTERSECTION DETAIL STREET SIGN PLAN	
C500 - C503	SANITARY PLAN & PROFILES	
C600 - C604	STORM PLAN & PROFILES STORM SEWER STRUCTURE DATA TABLE SUB-SURFACE DRAIN / SUMP CONNECTION PLAN	
C700 - C704	WATER PLAN WATER PLAN & PROFILES	
C800 - C809	CONSTRUCTION SPECIFICATIONS & DETAILS	

UTILITY CONTACTS
AT & T - Engineering
240 North Meridian Street
2nd Floor, Room 280
Indianapolis, Indiana 46204
Contact: Ryan McManus
Ph: (317) 610-5437

Boone REMC
1207 Indianapolis Avenue
Lebanon, Indiana 46052
Contact: Jerry Lasley
Ph: (765) 483-2495
(765) 894-1084

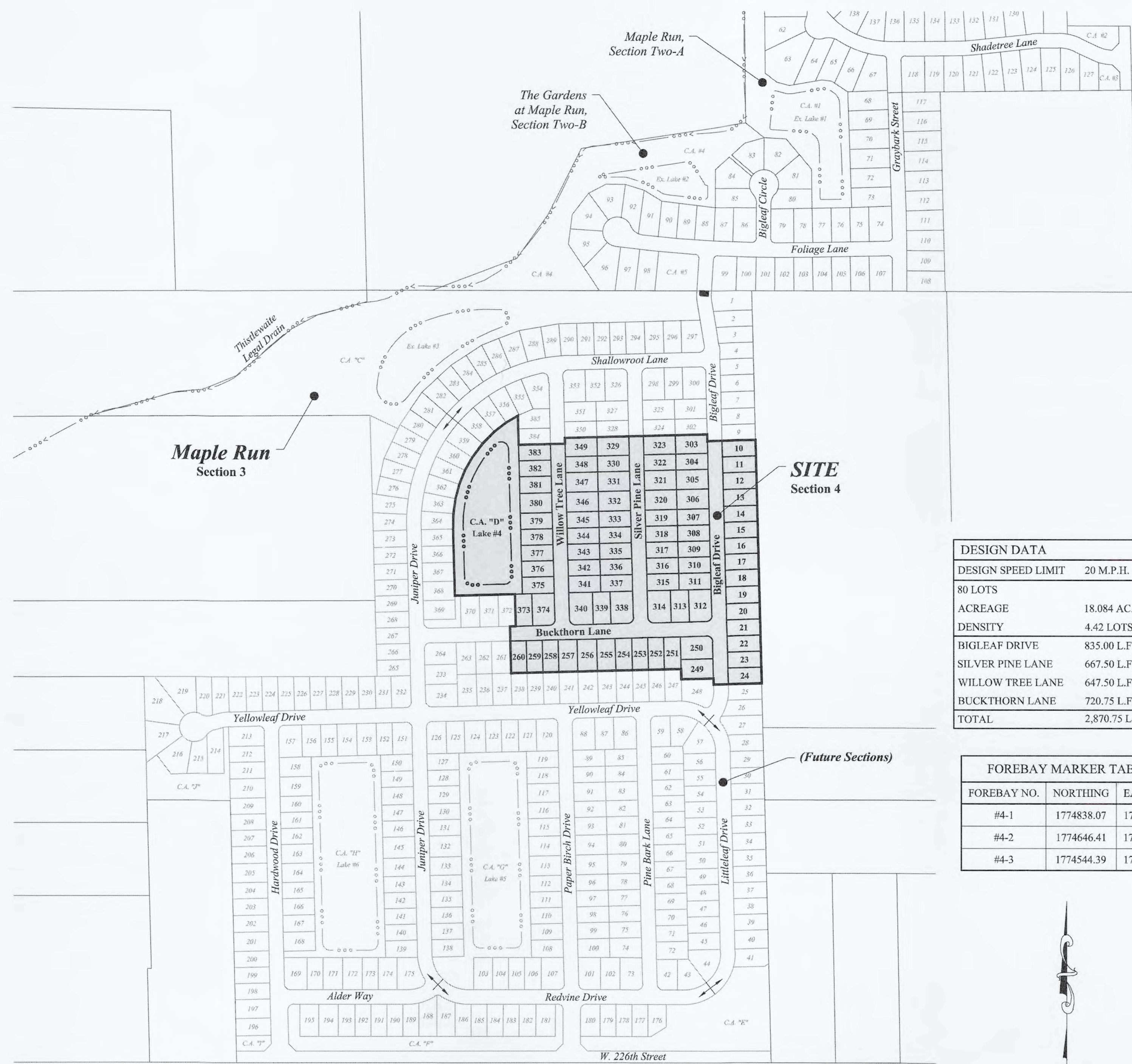
Comcast Cable
5330 East 65th Street
Indianapolis, Indiana 46220
Contact: Matt Stringer
Ph: (317) 774-3384

Vectren Energy
16000 Allisonville Road
Noblesville, Indiana 46060
Contact: Chad R. Miller
Ph: (317) 776-5590

Water
Indiana American Water
1700 East Superior Street
Kokomo, Indiana 46901
Contact: Ryan Smith
Ph: (765) 454-6985

Sanitary Sewer
Indiana American Water
153 North Emerson Avenue
Greenwood, Indiana 46143
Contact: Tracy White
Ph: (317) 885-2426

SHT. NO.	DESCRIPTION	DATE	BY
ALL	REVISED PER CLIENT COMMENTS	4/23/2020	DSM
C700 - C704	REVISED WATER PLANS & PROFILES	6/19/2020	JDT
ALL	AS BUILT	5/26/2021	MJE



PROJECT SITE MAP
SCALE: 1" = 250'

DESIGN DATA

DESIGN SPEED LIMIT	20 M.P.H.
80 LOTS	
ACREAGE	18.084 AC. ±
DENSITY	4.42 LOTS/ACRE
BIGLEAF DRIVE	835.00 L.F.
SILVER PINE LANE	667.50 L.F.
WILLOW TREE LANE	647.50 L.F.
BUCKTHORN LANE	720.75 L.F.
TOTAL	2,870.75 L.F.

FOREBAY MARKER TABLE

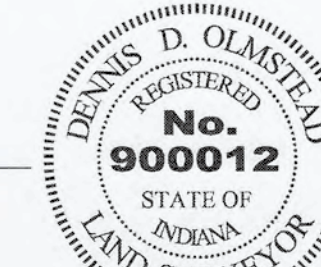
FOREBAY NO.	NORTHING	EASTING
#4-1	1774838.07	170329.23
#4-2	1774646.41	170221.66
#4-3	1774544.39	170315.35

MAPLE RUN, SECTION 4
I, the undersigned Registered Land Surveyor hereby certify that the included plat correctly represents a subdivision of a part of the Southeast Quarter, Section 6, Township 19 North, Range 3 East, Adams Township, Hamilton County, Indiana more particularly described as follows:

Commencing at the northeast corner of said Quarter Section; thence South 01 degree 23 minutes 46 seconds East a distance of 511.07 feet to the POINT OF BEGINNING of this description; thence continuing along said line South 01 degree 23 minutes 46 seconds East a distance of 835.00 feet; thence South 88 degrees 36 minutes 14 seconds West a distance of 165.00 feet; thence North 01 degree 23 minutes 46 seconds West a distance of 20.89 feet; thence South 88 degrees 36 minutes 14 seconds West a distance of 110.25 feet; thence North 01 degree 23 minutes 46 seconds West a distance of 35.00 feet; thence South 88 degrees 36 minutes 14 seconds West a distance of 585.50 feet; thence North 01 degree 23 minutes 46 seconds East a distance of 160.00 feet; thence North 88 degrees 36 minutes 14 seconds East a distance of 20.25 feet; thence North 01 degree 23 minutes 46 seconds West a distance of 110.00 feet; thence South 88 degrees 36 minutes 14 seconds West a distance of 207.00 feet; thence North 01 degree 23 minutes 46 seconds West a distance of 230.04 feet; thence North 00 degrees 57 minutes 50 seconds East a distance of 52.13 feet; thence North 07 degrees 58 minutes 59 seconds East a distance of 51.38 feet; thence North 15 degrees 04 minutes 54 seconds East a distance of 51.38 feet; thence North 22 degrees 10 minutes 48 seconds East a distance of 51.38 feet; thence North 29 degrees 16 minutes 43 seconds East a distance of 51.38 feet; thence North 36 degrees 52 minutes 01 seconds East a distance of 58.47 feet; thence North 44 degrees 56 minutes 44 seconds East a distance of 58.47 feet; thence North 52 degrees 32 minutes 02 seconds East a distance of 51.38 feet; thence North 59 degrees 37 minutes 57 seconds East a distance of 46.41 feet; thence South 01 degree 23 minutes 46 seconds East a distance of 99.87 feet; thence North 88 degrees 36 minutes 14 seconds East a distance of 160.00 feet; thence North 01 degree 23 minutes 46 seconds West a distance of 20.00 feet; thence North 88 degrees 36 minutes 14 seconds West a distance of 490.00 feet; thence South 01 degree 23 minutes 46 seconds East a distance of 23.39 feet; thence North 88 degrees 36 minutes 14 seconds East a distance of 165.00 feet to the Point of Beginning, Containing 18.084 acres, more or less.

RECORD DRAWING

D. D. O.
Dennis D. Olmstead
Registered Land Surveyor
No. 900012
6/14/2021

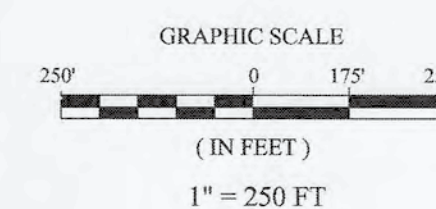
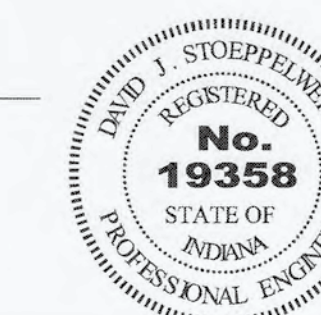


CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

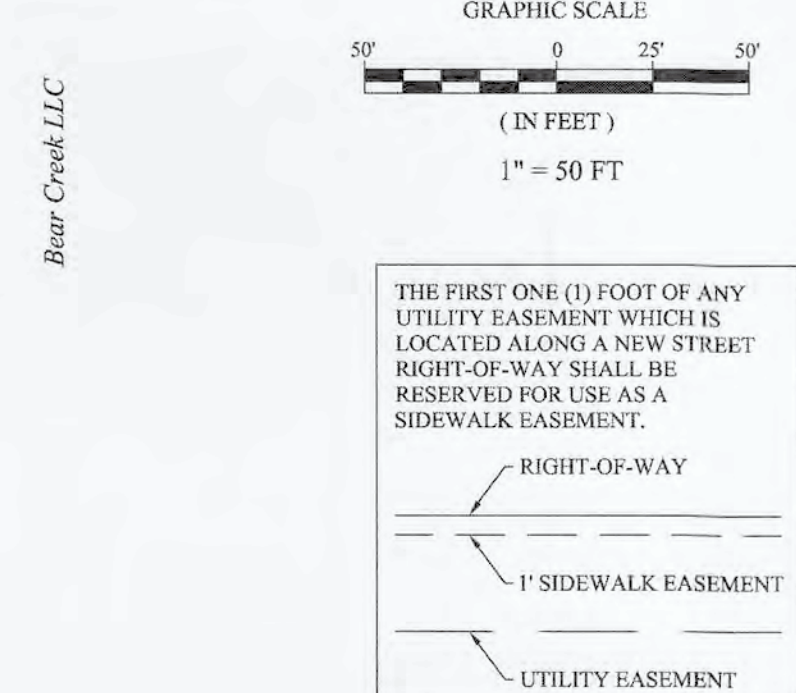
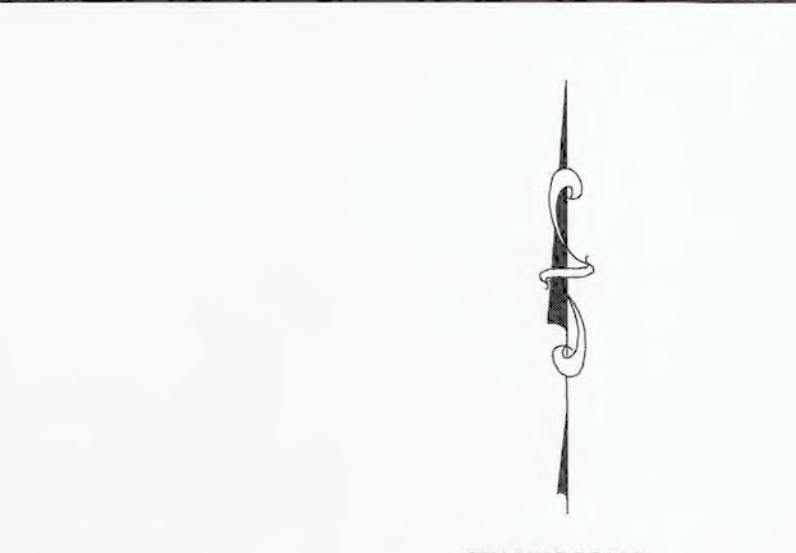
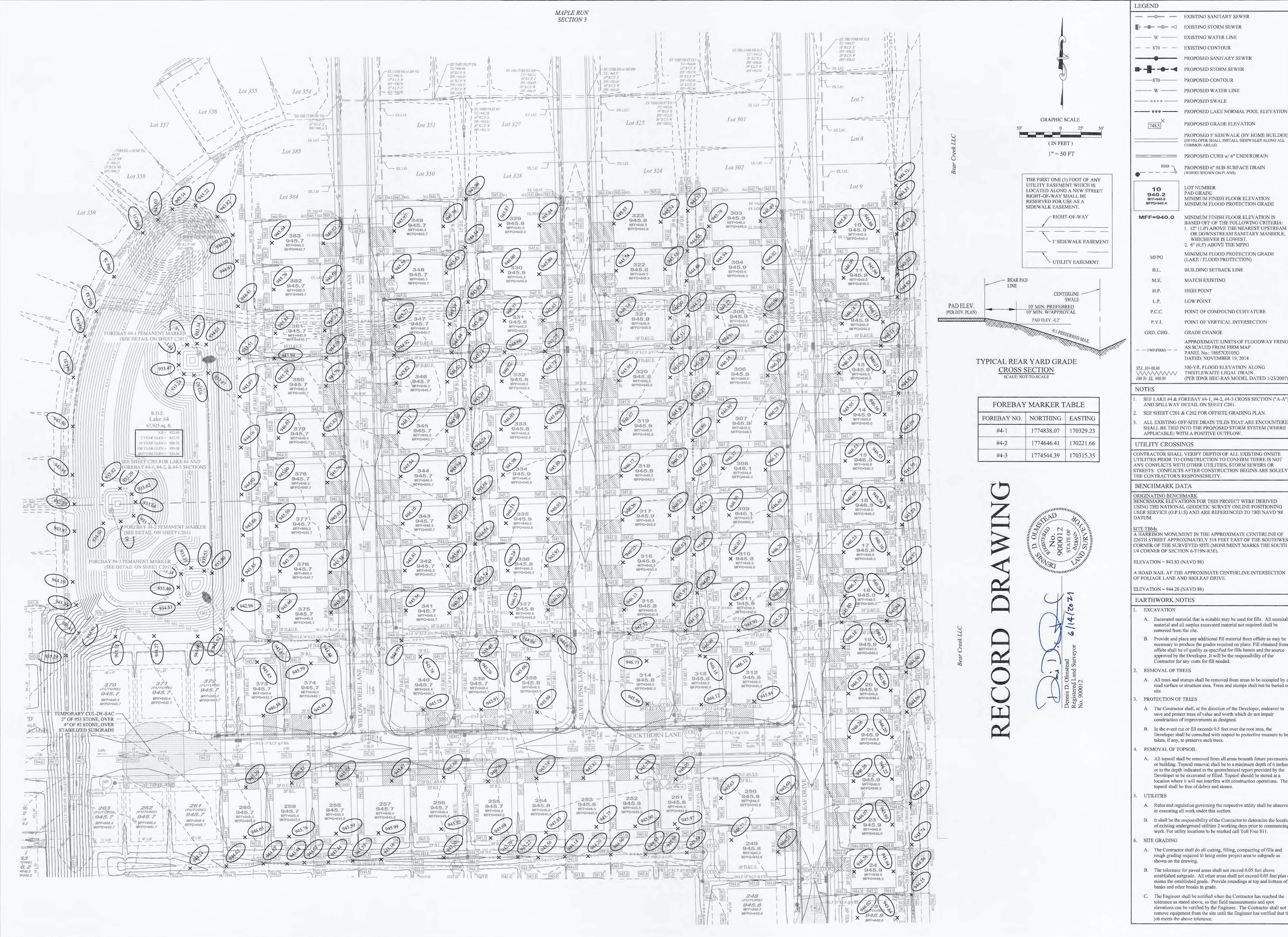
PLANS PREPARED BY:
STOEPPEL WERTH & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7965 E. 106th STREET, FISHERS, INDIANA 46038
PHONE: (317) 849-5935
FAX: (317) 849-5942
CONTACT: BRIAN K. ROBINSON
EMAIL: brobinson@stoepfelwerth.com

PLANS CERTIFIED BY:

David J. Stoepfelwerth
DAVID J. STOEPPEL WERTH
PROFESSIONAL ENGINEER
04/01/2020



S & A JOB No. 51510ARB-S4



FOREBAY NO.	NORTHING	EASTING
#4-1	1774838.07	170329.23
#4-2	1774646.41	170221.66
#4-3	1774544.39	170315.35

RECORD DRAWING



Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 6/14/2021

- LEGEND**
- EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - W — EXISTING WATER LINE
 - 870 — EXISTING CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - 870 — PROPOSED CONTOUR
 - W — PROPOSED WATER LINE
 - PROPOSED SWALE
 - PROPOSED LAKE NORMAL POOL ELEVATION
 - 748.5' X — PROPOSED GRADE ELEVATION
 - PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
 - PROPOSED 6" UNDERDRAIN (WHERE SHOWN ON PLANS)

10 940.2
 MFF=940.9
 MFG=940.4

MFF=940.0

LOT NUMBER
PAD GRADE
MINIMUM FINISH FLOOR ELEVATION
MINIMUM FLOOD PROTECTION GRADE

MINIMUM FINISH FLOOR ELEVATION IS BASED OFF OF THE FOLLOWING CRITERIA:
 1. 12" (1.0') ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE, WHICHEVER IS LOWEST.
 2. 6" (0.5') ABOVE THE MFG

MFG MINIMUM FLOOD PROTECTION GRADE (LAKE / FLOOD PROTECTION)
 B.L. BUILDING SETBACK LINE
 M.E. MATCH EXISTING
 H.P. HIGH POINT
 L.P. LOW POINT
 P.C.C. POINT OF CURVATURE
 P.V.I. POINT OF VERTICAL INTERSECTION
 GRD. CHG. GRADE CHANGE
 APPROXIMATE LIMITS OF FLOODWAY FRINGE AS SCALED FROM FIRM MAP PANEL No. 18070105G DATED: NOVEMBER 19, 2014
 100-YR. FLOOD ELEVATION ALONG THIS LEWIS LEGAL DRAIN (PER IDNR HEC-RAS MODEL DATED 1/23/2007)

- NOTES**
- SEE LAKE #4 & FOREBAY #4-1, #4-2, #4-3 CROSS SECTION ("A-A") AND SPILLWAY DETAIL ON SHEET C201.
 - SEE SHEET C201 & C202 FOR OFFSITE GRADING PLAN.
 - ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SYSTEM (WHERE APPLICABLE) WITH A POSITIVE OUTFLOW.

UTILITY CROSSINGS

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ON-SITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NO CONFLICT WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

BENCHMARK DATA

ORIGINATING BENCHMARK BENCHMARK ELEVATIONS FOR THIS PROJECT WERE DERIVED USING THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE (O.P.U.S.) AND ARE REFERENCED TO THE NAVD '83 DATUM.

SITE TBMs
 A HARRISON MONUMENT IN THE APPROXIMATE CENTERLINE OF 226TH STREET APPROXIMATELY 518 FEET EAST OF THE SOUTHWEST CORNER OF THE SURVEYED SITE MONUMENT MARKS THE SOUTH 1/4 CORNER OF SECTION 6-T19N-R3E.
 ELEVATION = 943.83 (NAVD 88)
 A ROAD NAIL AT THE APPROXIMATE CENTERLINE INTERSECTION OF FOLIAGE LANE AND BIGLEAF DRIVE.
 ELEVATION = 944.20 (NAVD 88)

- EARTHWORK NOTES**
- EXCAVATION**
 - Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
 - REMOVAL OF TREES**
 - All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
 - PROTECTION OF TREES**
 - The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - In the event cut or fill exceeds 0.5 feet over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL**
 - All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
 - UTILITIES**
 - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 811.
 - SITE GRADING**
 - The Contractor shall do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove equipment from the site until the Engineer has verified that the job meets the above tolerance.

STOEPPELWERTH
 ALWAYS ON
 7945 East 10th Street, Fishers, IN 46038-2505
 phone: 317.845.5925 fax: 317.845.5942

SITE DEVELOPMENT PLAN
MAPLE RUN SECTION 4
C200

NOVEMBER 19, 2014

DATE: 05/26/21
 MARK: 06/19/20
 REVISIONS:

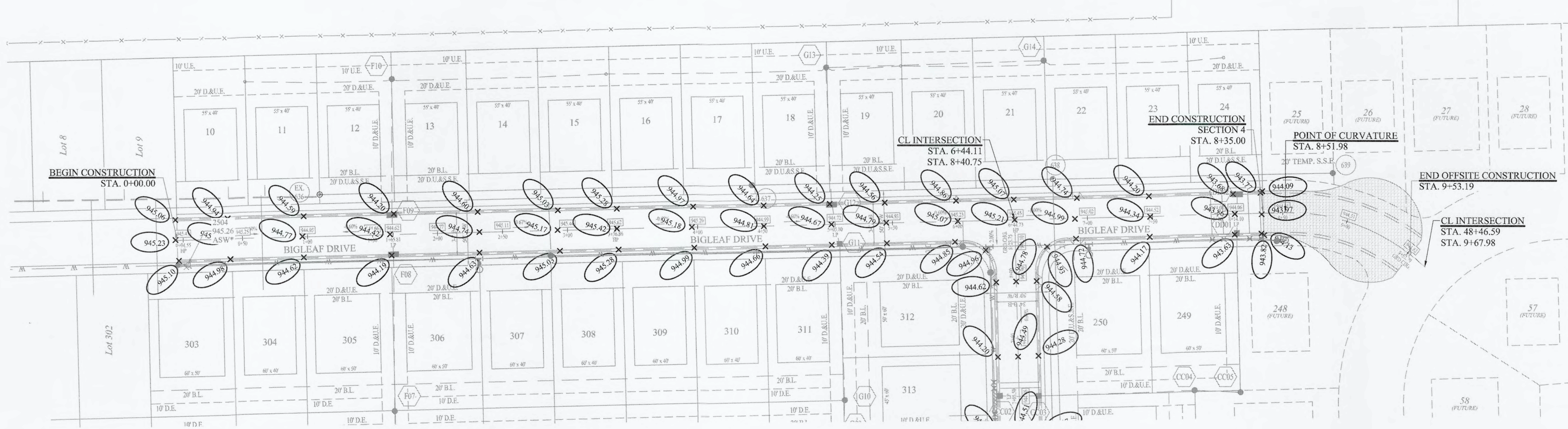
AS BUILTS: 05/26/21
 REVISED WATER PLANS & PROFILES: 06/19/20
 DATE: 05/26/21

NO. 19358
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
 David J. Stoppelwerth
 CERTIFIED: 03/XX/20

DRAWN BY: ADG
 CHECKED BY: BKR
 SHEET NO. C200
 S.A. JOB NO. 151010AB-S4

SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

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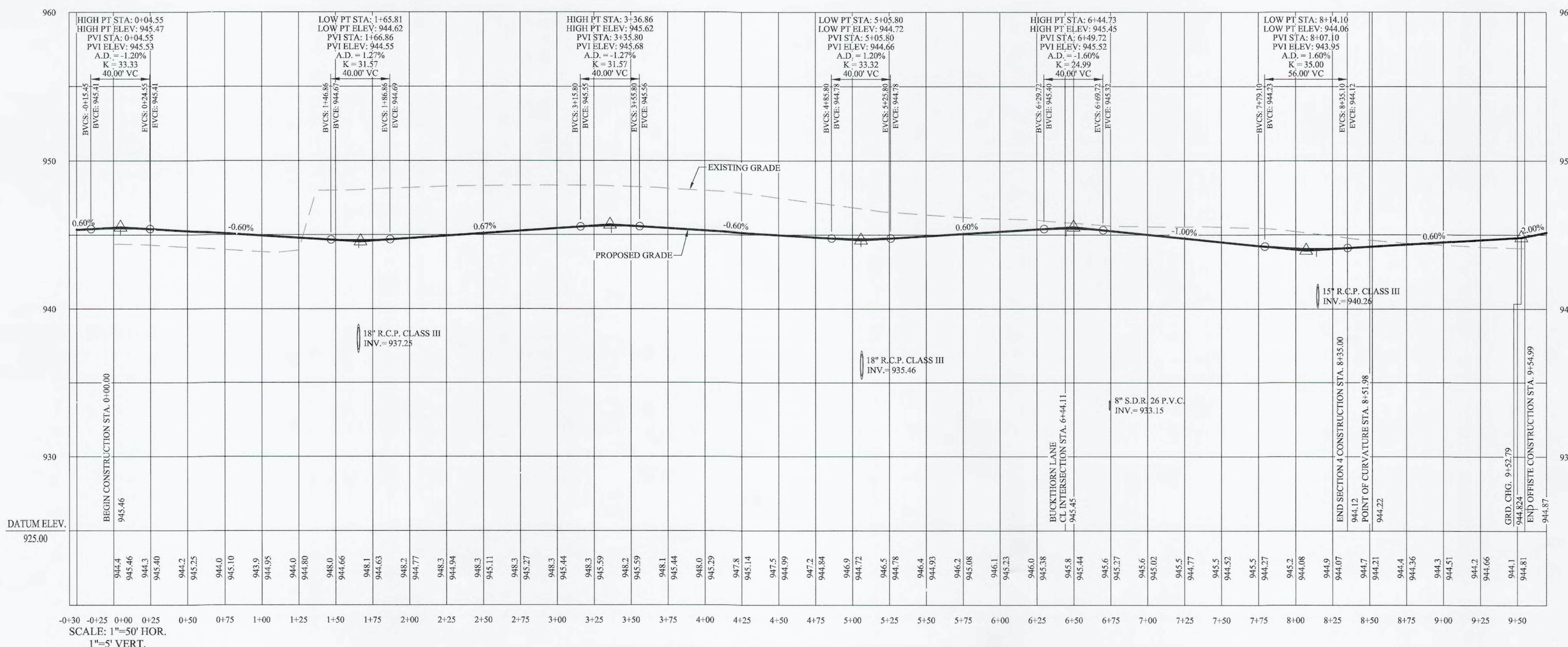
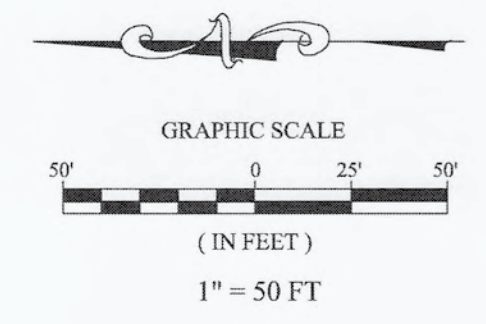


LEGEND

BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
AD	GRADE CHANGE
PVI	POINT OF VERTICAL INTERSECTION
VC	VERTICAL CURVE
PCC	POINT OF COMPOUND CURVE (HORIZONTAL)

UTILITY CROSSINGS

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.



BIGLEAF DRIVE

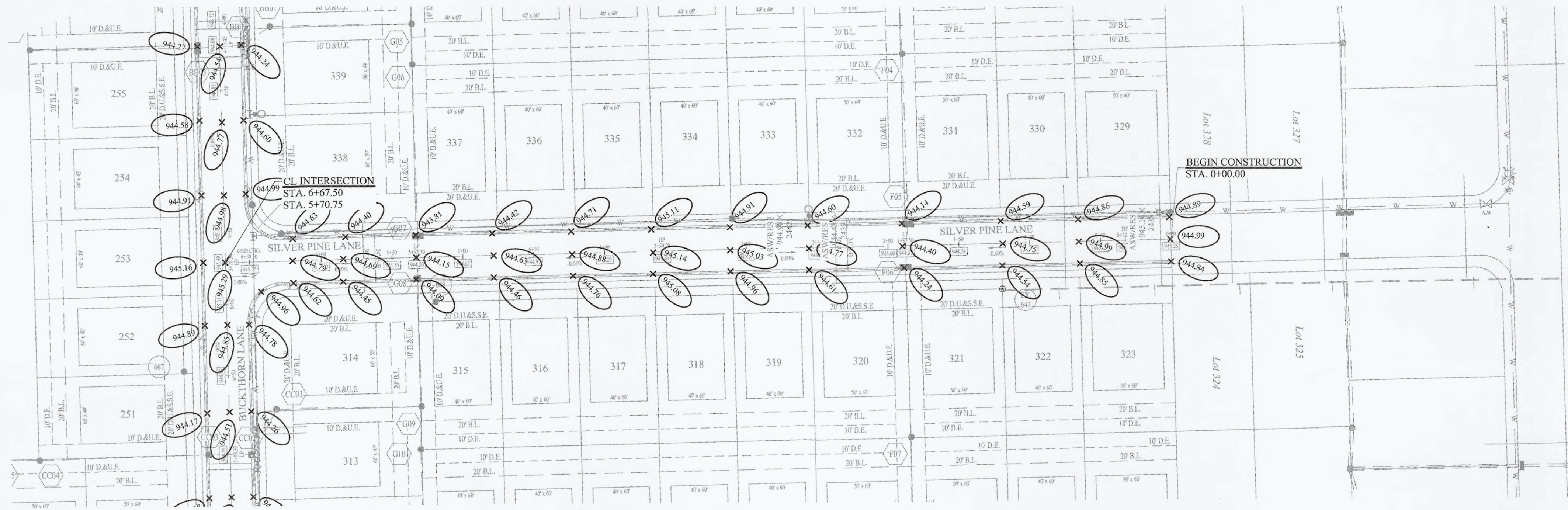
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DATE	05/26/21	MARK	
BY	AS BUILT	REVISIONS	
THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACTION OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT. CERTIFIED: 03/XX/20 <i>David J. Stoepelwerth</i>			
STOEPPELWERTH ALWAYS ON 796 East High Street, Fishers, IN 46038-2505 phone: 317.849.5955 fax: 317.849.5942			
STREET PLAN & PROFILE MAPLE RUN SECTION 4			
SHERIDAN, ADAMS TOWNSHIP HAMILTON COUNTY, INDIANA			
DRAWN BY:	ADG	CHECKED BY:	BKR
DENNIS D. OLNSTEAD REGISTERED No. 900012 STATE OF INDIANA LAND SURVEYOR		DENNIS D. OLNSTEAD REGISTERED No. 900012 STATE OF INDIANA LAND SURVEYOR	
S & A JOB NO. C400 51510ARB-54			

D.D.O.
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 6/14/2021

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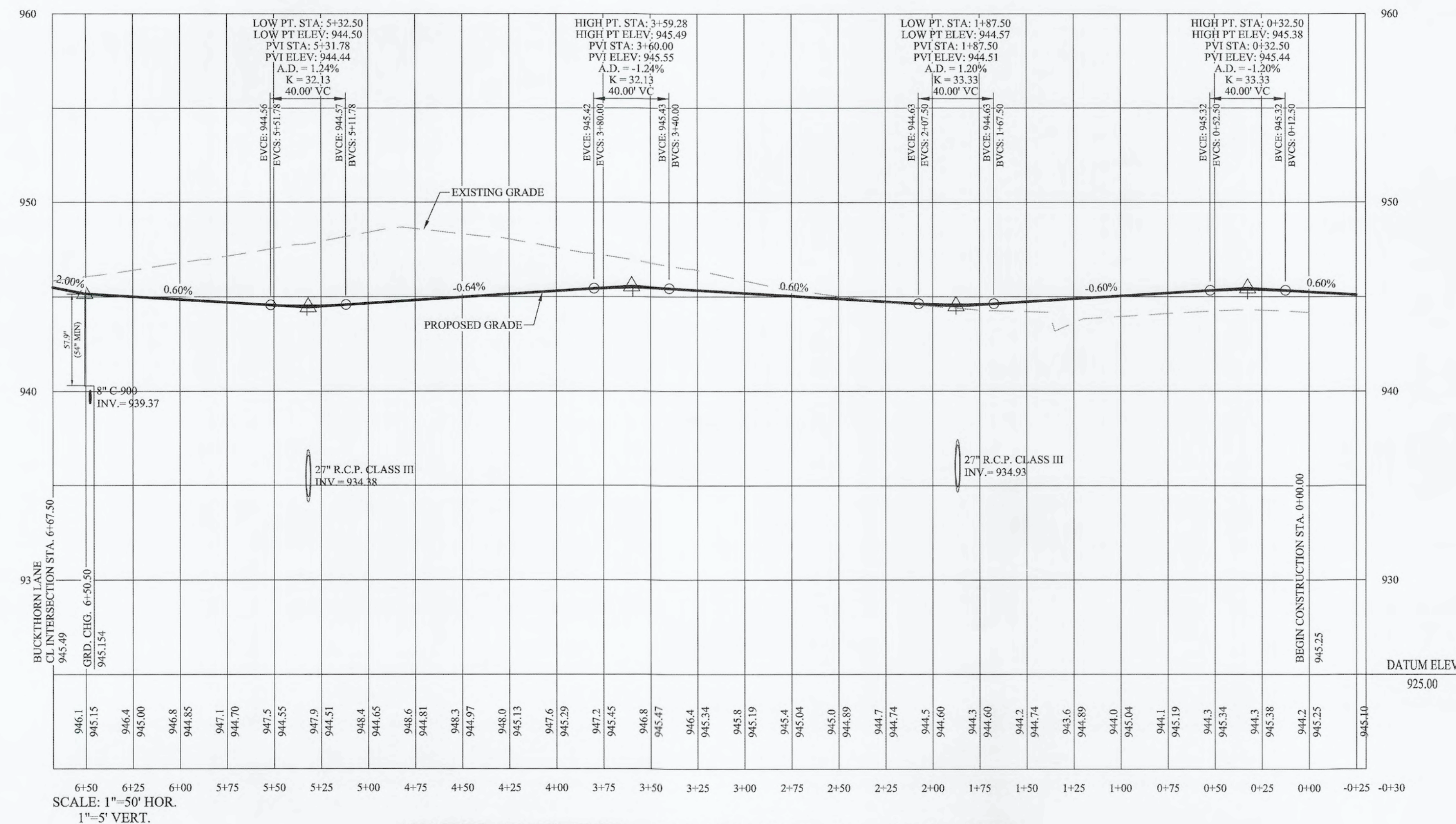
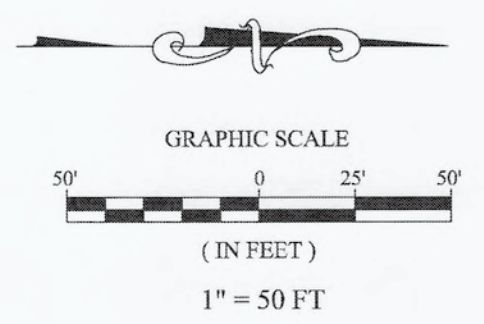


LEGEND

BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
AD	GRADE CHANGE
PVI	POINT OF VERTICAL INTERSECTION
VC	VERTICAL CURVE
PCC	POINT OF COMPOUND CURVE (HORIZONTAL)

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SILVER PINE LANE

RECORD DRAWING

STREET PLAN & PROFILE
 MAPLE RUN
 SECTION 4

SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

STOEPPELWERTH
 REGISTERED LAND SURVEYOR
 No. 19358
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

David J. Stoepfelwirth
 CERTIFIED: 03/XX/20

7905 East 106th Street, Fishers, IN 46038-2505
 phone: 317.849.2505 fax: 317.849.5942

ALWAYS ON

DRAWN BY: ADG
 CHECKED BY: BKR

SHEET NO. C401

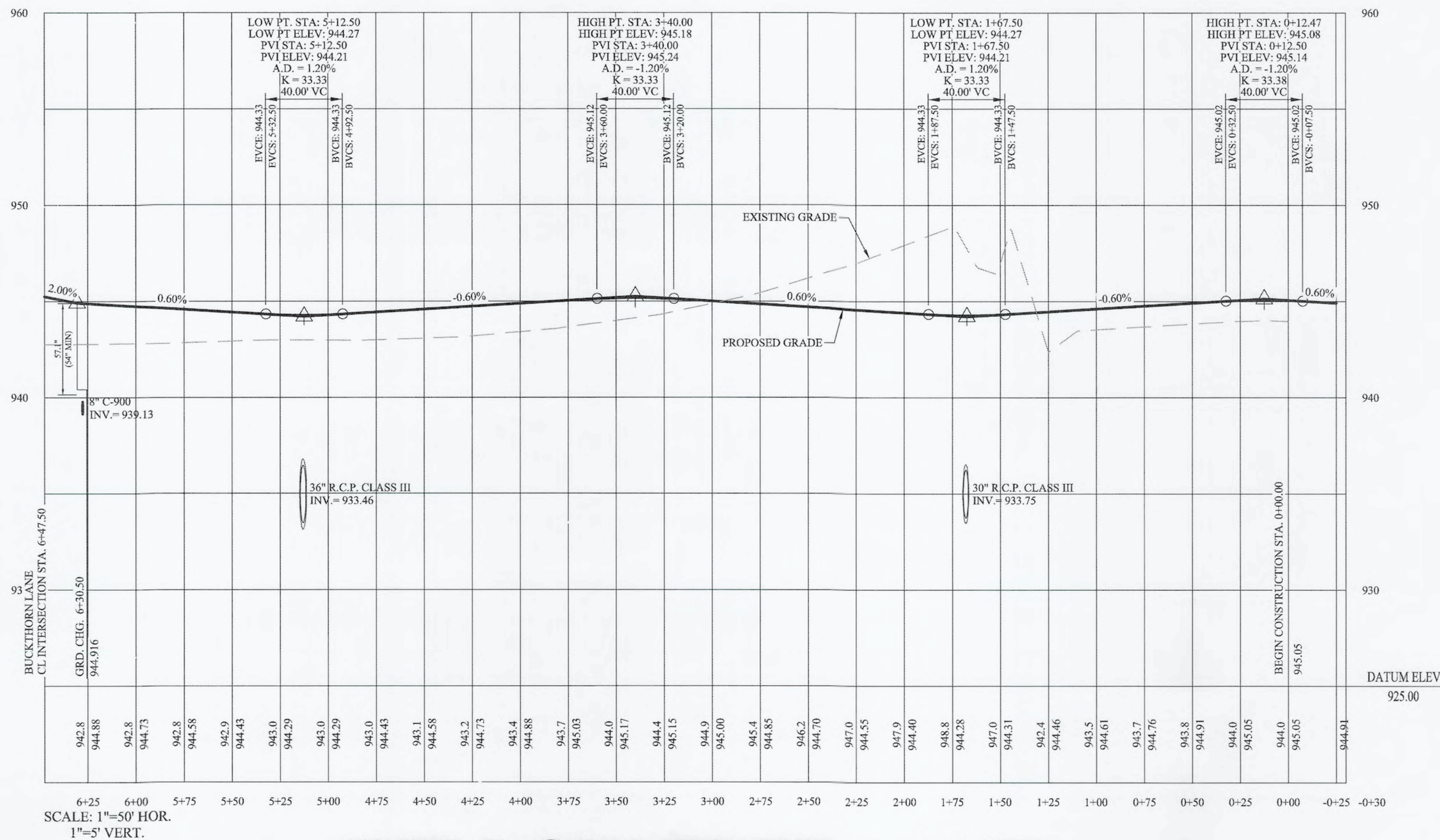
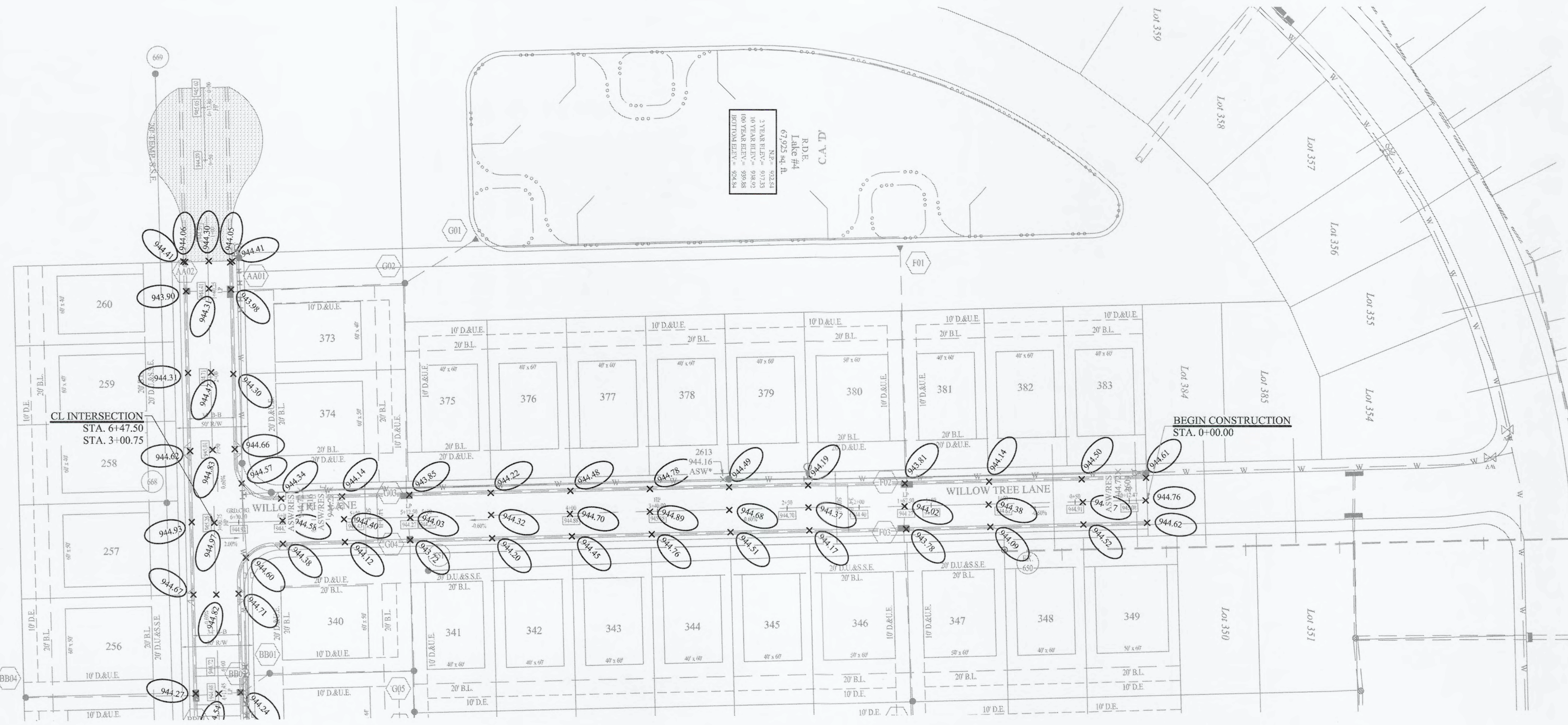
DATE: 05/26/21
 AS BUILT: 06/19/20
 REVISIONS: REVISED WATER PLANS & PROFILES

BY: JDT

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 STATE OF INDIANA
 LAND SURVEYOR

6/14/2021

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WILLOW TREE LANE

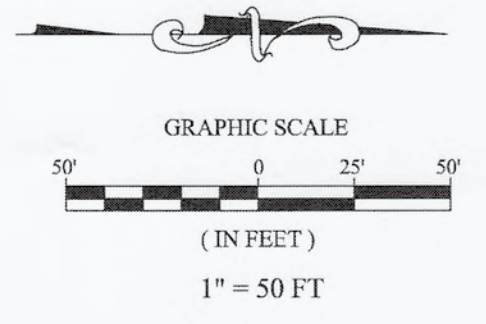
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 1"=5' VERT.

LEGEND

BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
AD	GRADE CHANGE
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DATE	05/26/21	MARK	
BY		REVISIONS	
ME	AS BUILTS	REVISED WATER PLANS & PROFILES	
JDT			

THIS DRAWING IS NOT INTENDED TO BE ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

CERTIFIED: 03/XX/20

David J. Stoepelwerth
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

STOEPPELWERTH
 ALWAYS ON

796 East 10th Street, Fishers, IN 46038-2505
 phone: 317.849.5925 fax: 317.849.5942



STREET PLAN & PROFILE
MAPLE RUN
SECTION 4

SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

DRAWN BY: ADG
 CHECKED BY: BKR

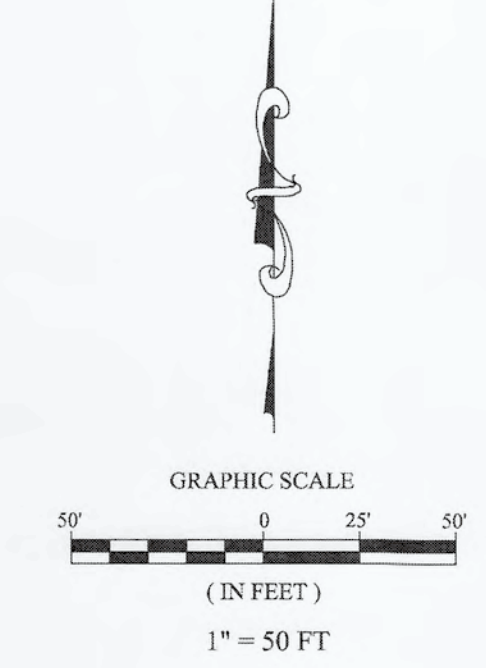
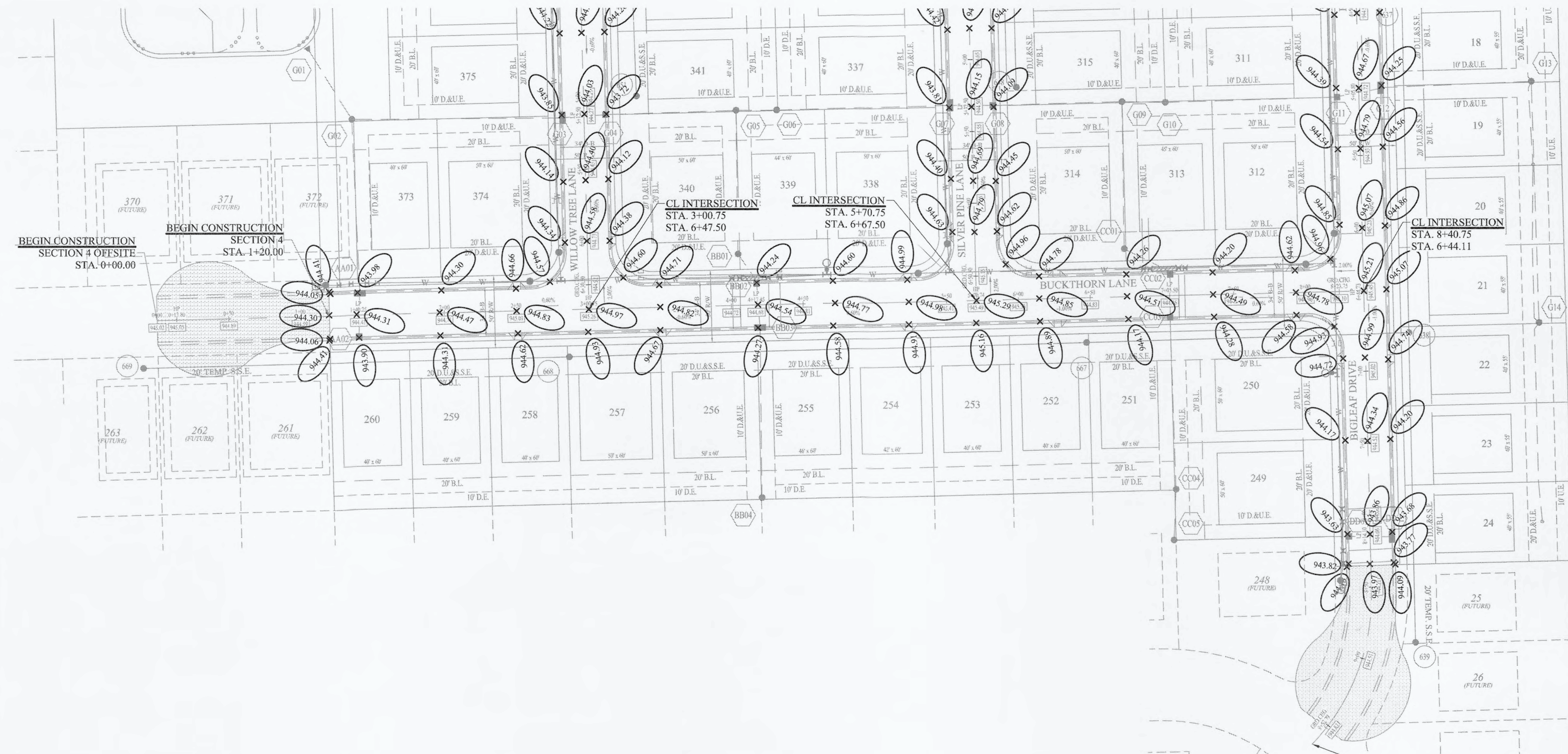
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 S & A JOB NO. 51510ARB-S4

RECORD DRAWING

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
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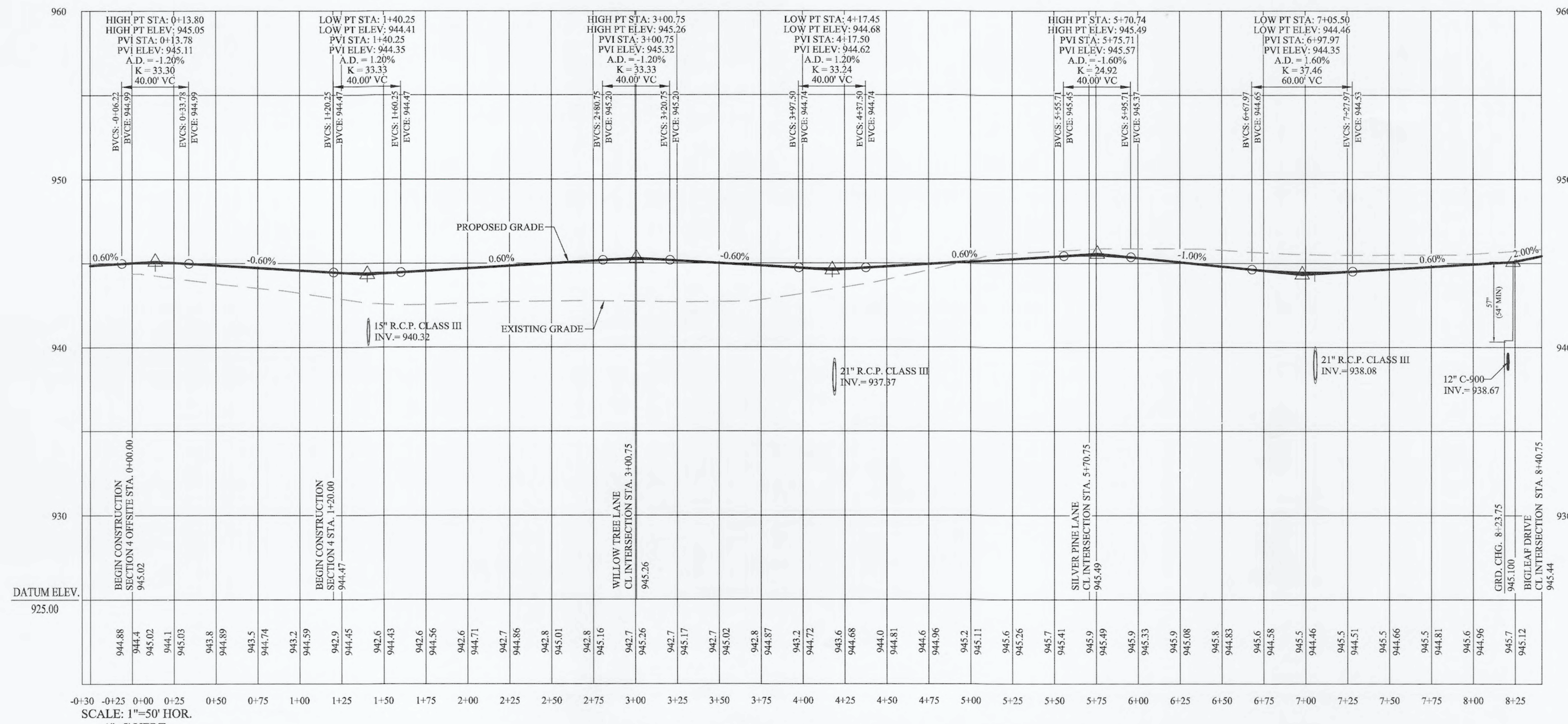


LEGEND

BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
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UTILITY CROSSINGS

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BUCKTHORN LANE

RECORD DRAWING

D.D.D.
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 90012
 6/14/2021



STREET PLAN & PROFILE
MAPLE RUN
SECTION 4

SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

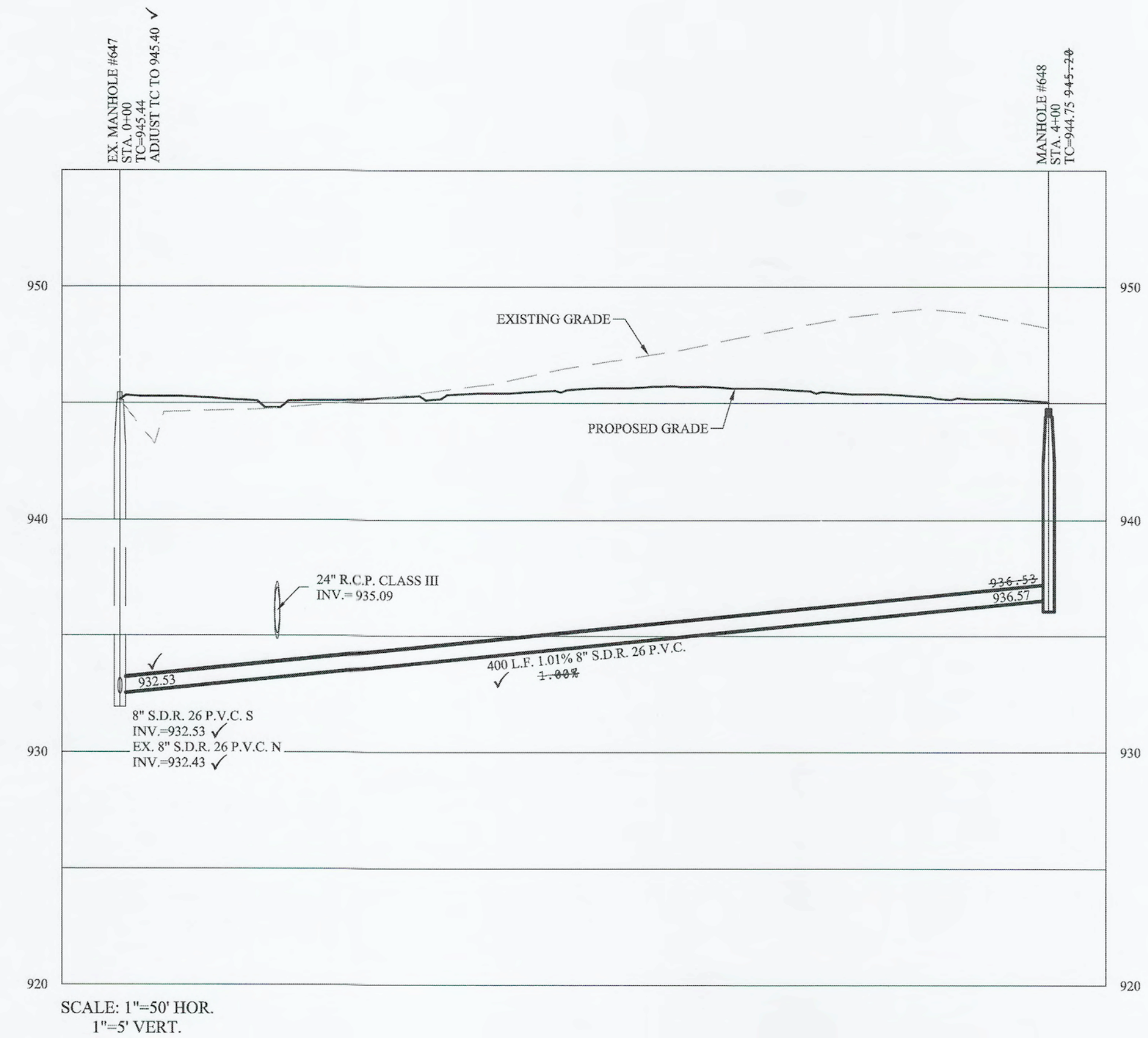
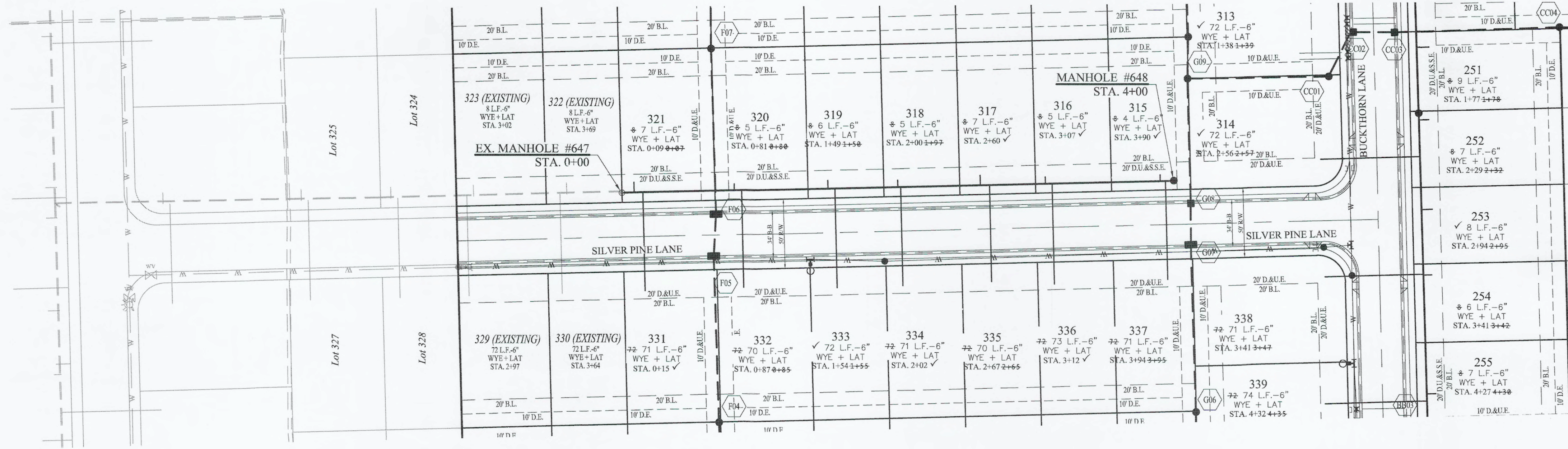
STOEPPELWERTH
 LAND SURVEYORS
 AL WAYS ON
 7945 East 106th Street, Fishers, IN 46038-2505
 phone: 317.849.5585 fax: 317.849.5942

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETACEMENT OR REVISION OF ANY PREVIOUS SURVEY OR SURVEYOR LOCATION REPORT.
 CERTIFIED: 03/XX/20
David J. Stoppelwirth
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

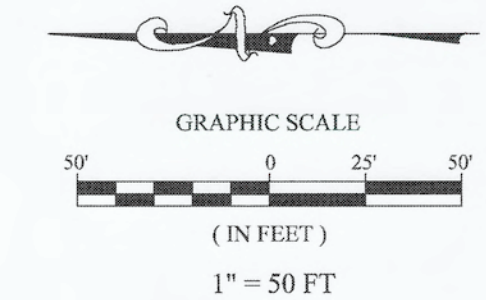
DATE	05/26/21	MARK	
AS BUILTS	06/19/20	REVISIONS	
BY			
JDT			
MIE			

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 CHECKED BY: BKR
 SHEET NO. **C403**
 S & A JOB NO. 51510ARB-S4

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 Plotted / By: May 26, 2021 9:25:02 AM / Michael Evans



- LEGEND**
- EXISTING SANITARY SEWER (w/ LATERALS)
 - EXISTING STORM SEWER
 - EXISTING WATER LINE
 - PROPOSED SANITARY SEWER (w/ LATERALS)
 - PROPOSED STORM SEWER
 - PROPOSED WATER LINE
 - DENOTES FULL DEPTH GRANULAR BACKFILL
- NOTES**
- MIN. SLOPES PER THE TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES.
 - ALL WATER MAINS SHALL MAINTAIN 18 INCHES VERTICAL CLEARANCE AND 10 FEET HORIZONTAL CLEARANCE.
 - CONTRACTOR SHALL INSTALL SERVICE LATERALS TO FUTURE LOTS NOTED ON PLANS.
 - INSTALLATION OF PVC SANITARY SEWERS SHALL MEET REQUIREMENTS OF ASTM D2321.
- UTILITY CROSSINGS**
- CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ON-SITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.



DATE	MARK	BY
06/19/20	AS BUILTS	ME
	REVISED WATER PLANS & PROFILES	JDT
	REVISIONS	BY

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEY LOCATION REPORT.

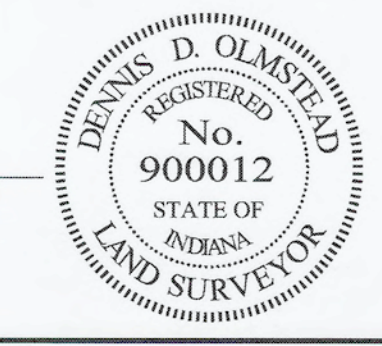
David J. Stoepelwirth
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 03/XX/20

STOEPPELWERTH
 ALWAYS ON
 7905 East 10th Street, Fishers, IN 46038-2505
 phone: 317.849.5985 fax: 317.849.5942

SANITARY SEWER PLAN & PROFILE
 MAPLE RUN
 SECTION 4
 SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

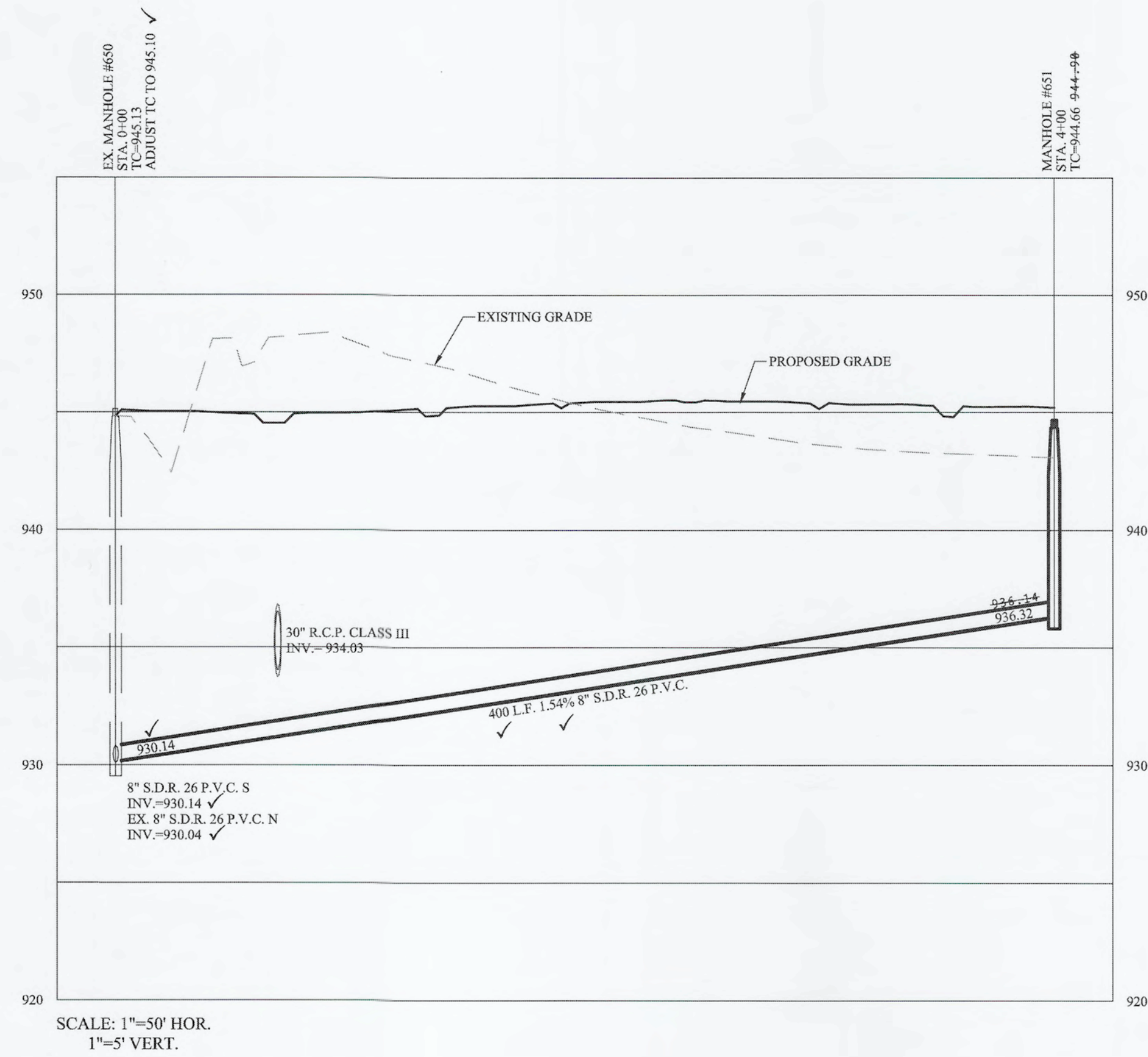
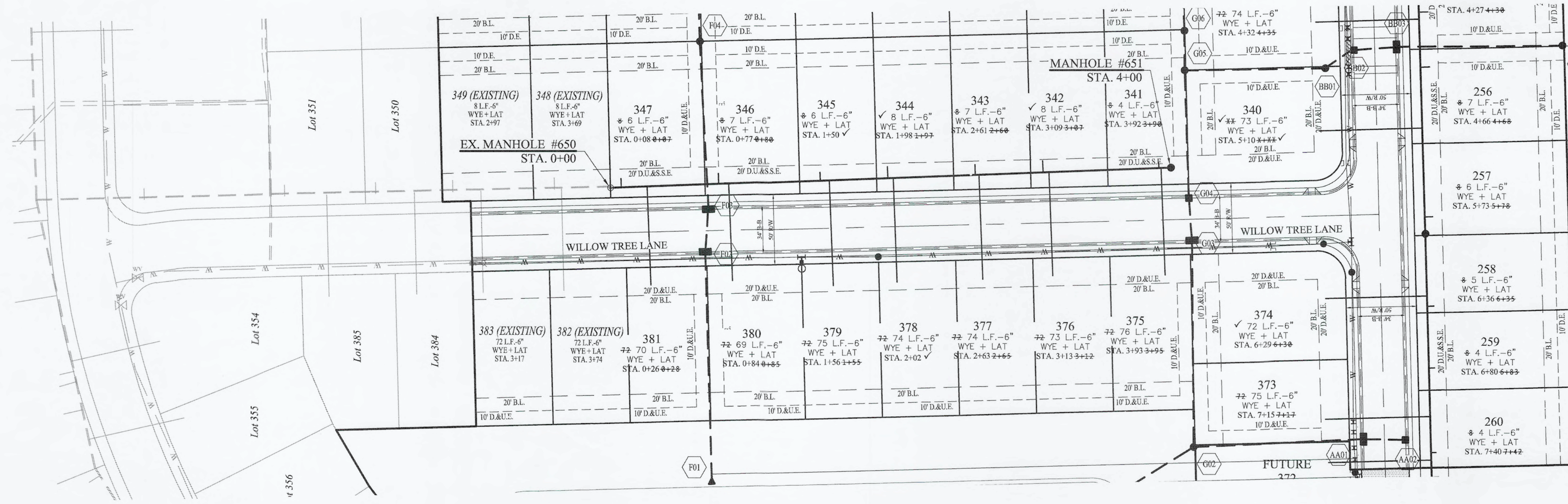
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David J. Stoepelwirth
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 6/14/2021



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 SHEET NO. **C501**
 S & A JOB NO. 51510ARB-S4

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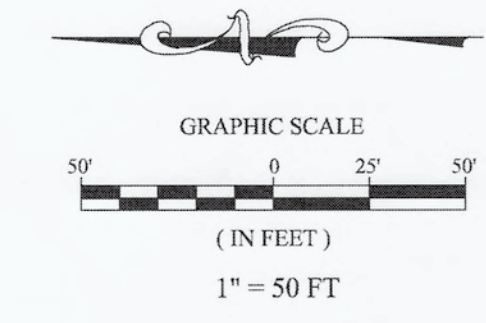
LEGEND

- EXISTING SANITARY SEWER (w/ LATERALS)
- EXISTING STORM SEWER
- EXISTING WATER LINE
- PROPOSED SANITARY SEWER (w/ LATERALS)
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- DENOTES FULL DEPTH GRANULAR BACKFILL

- NOTES**
- MIN. SLOPES PER THE TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES.
 - ALL WATER MAINS SHALL MAINTAIN 18 INCHES VERTICAL CLEARANCE AND 10 FEET HORIZONTAL CLEARANCE.
 - CONTRACTOR SHALL INSTALL SERVICE LATERALS TO FUTURE LOTS NOTED ON PLANS.
 - INSTALLATION OF PVC SANITARY SEWERS SHALL MEET REQUIREMENTS OF ASTM D2321.

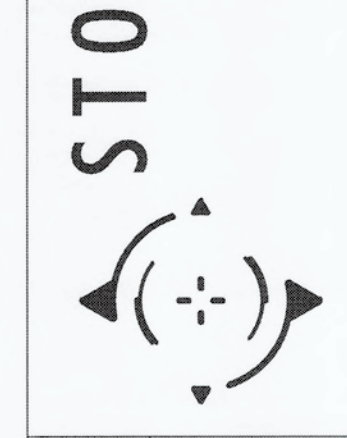
UTILITY CROSSINGS

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.



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 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 David J. Stoepfelwerth
 CERTIFIED: 03/XX/20

STOEPPELWERTH
 ALWAYS ON
 796 East 10th Street, Fishers, IN 46038-2505
 phone: 317.849.5925 fax: 317.849.5942



SANITARY SEWER PLAN & PROFILE
 MAPLE RUN
 SECTION 4
 SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

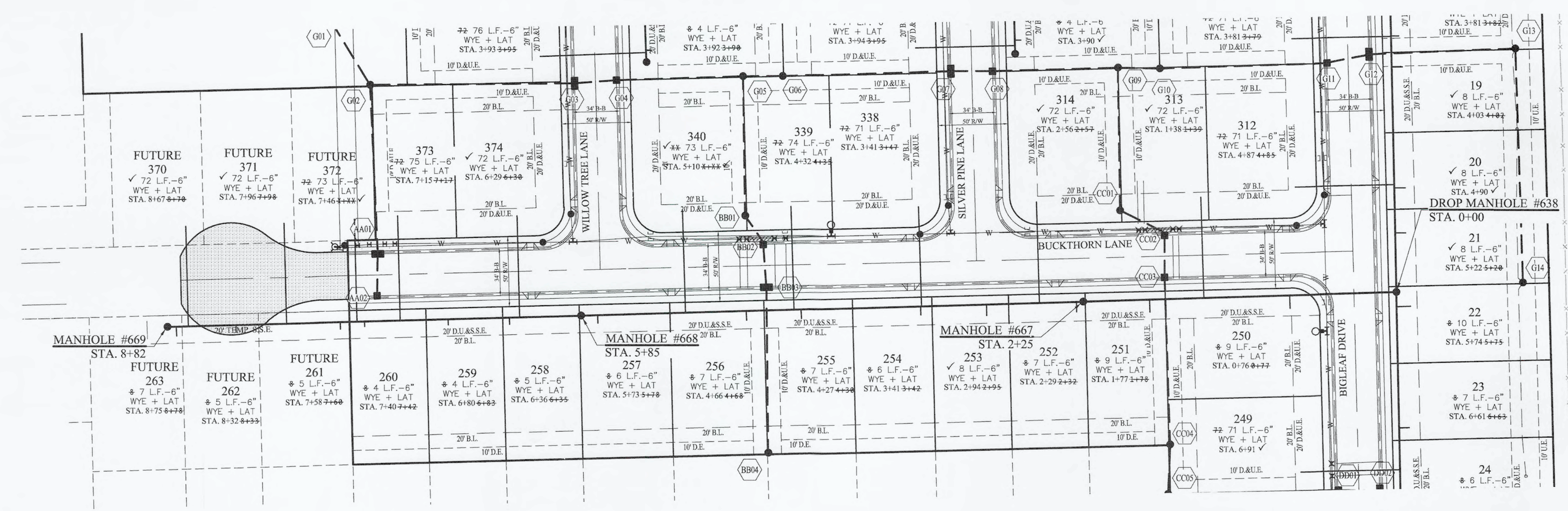
RECORD DRAWING

Drawn by: *D.D. Olmstead*
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 6/14/2021



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SHEET NO. C502	
S & A JOB NO. 51510ARB-S4	

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LEGEND

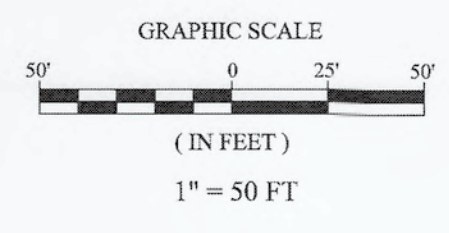
- EXISTING SANITARY SEWER (w/ LATERALS)
- EXISTING STORM SEWER
- EXISTING WATER LINE
- PROPOSED SANITARY SEWER (w/ LATERALS)
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- DENOTES FULL DEPTH GRANULAR BACKFILL

NOTES

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- INSTALLATION OF PVC SANITARY SEWERS SHALL MEET REQUIREMENTS OF ASTM D2221.

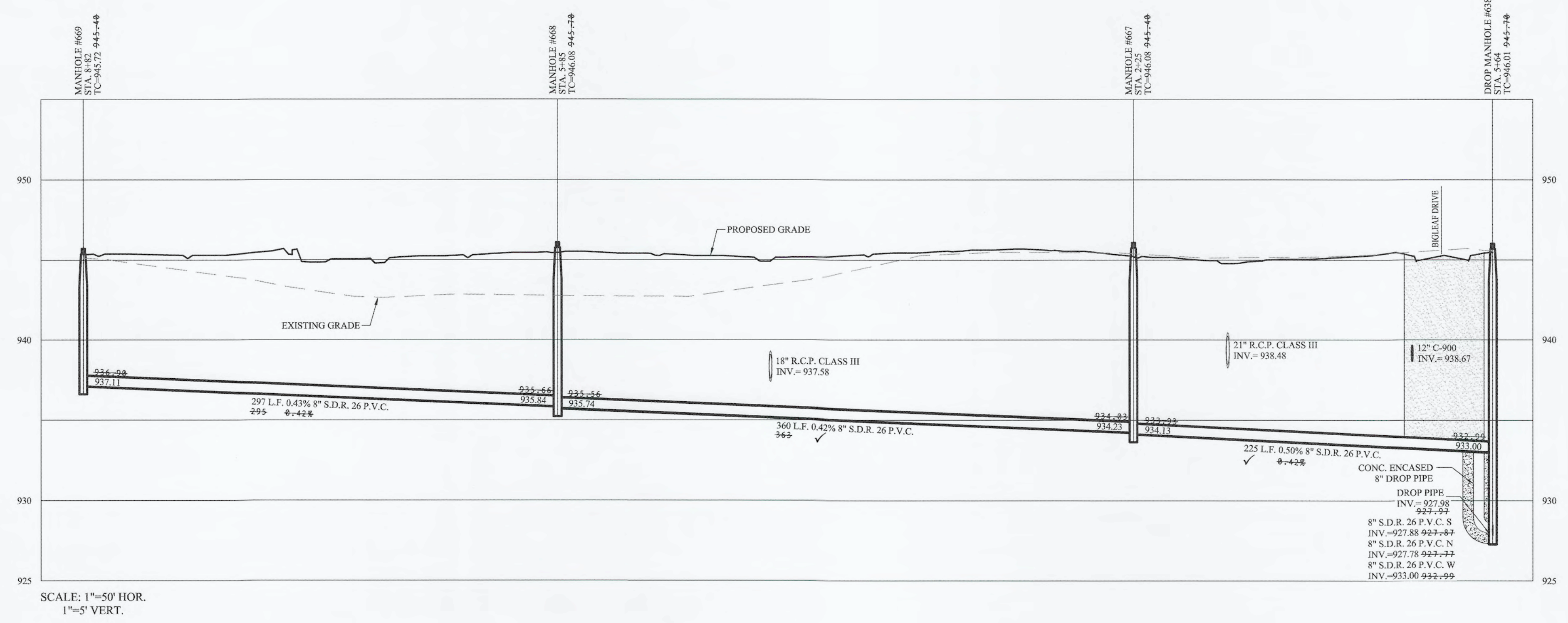
UTILITY CROSSINGS

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SANITARY STRUCTURE DATA TABLE

STR.#	TYPE	T.C.	DIA. IN	DIR. IN	INV. IN	DIA. OUT	DIR. OUT	INV. OUT	SLOPE	NEXT STR.#	LEN.	MATERIAL
636	EX. MANHOLE	945.40	8"	S	925.29	8"	N	925.19	0.42%	637 (S)	332'	S.D.R. 26 P.V.C.
637	MANHOLE	945.80	8"	S	926.80	8"	N	926.70	0.42%	638 (S)	232'	S.D.R. 26 P.V.C.
638	DROP MANHOLE	946.00	8"	S	927.88	8"	N	927.78	0.42%	639 (S)	215'	S.D.R. 26 P.V.C.
639	MANHOLE	945.60					N	929.04	0.54%	638 (N)	215'	S.D.R. 26 P.V.C.
647	EX. MANHOLE	945.40	8"	S	932.53	8"	N	932.43	0.42%	648 (S)	400'	S.D.R. 26 P.V.C.
648	MANHOLE	944.80					N	936.57	1.01%	647 (N)	400'	S.D.R. 26 P.V.C.
650	EX. MANHOLE	945.10	8"	S	930.14	8"	N	930.04	0.42%	651 (S)	175'	S.D.R. 26 P.V.C.
651	MANHOLE	944.70					N	936.32	1.54%	650 (N)	400'	S.D.R. 26 P.V.C.
667	MANHOLE	946.10	8"	W	934.23	8"	E	934.13	0.50%	668 (W)	360'	S.D.R. 26 P.V.C.
668	MANHOLE	946.10	8"	W	935.84	8"	E	935.74	0.42%	669 (W)	297'	S.D.R. 26 P.V.C.
669	MANHOLE	945.70					E	937.11	0.43%	668 (E)	297'	S.D.R. 26 P.V.C.



SCALE: 1"=50' HOR.
 1"=5' VERT.

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY. A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

CERTIFIED: 03/XX/20
 David J. Stoepfelwirth
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

STOEPPELWERTH
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 phone: 317.849.5985 fax: 317.849.5942

SANITARY SEWER PLAN & PROFILE
 MAPLE RUN
 SECTION 4

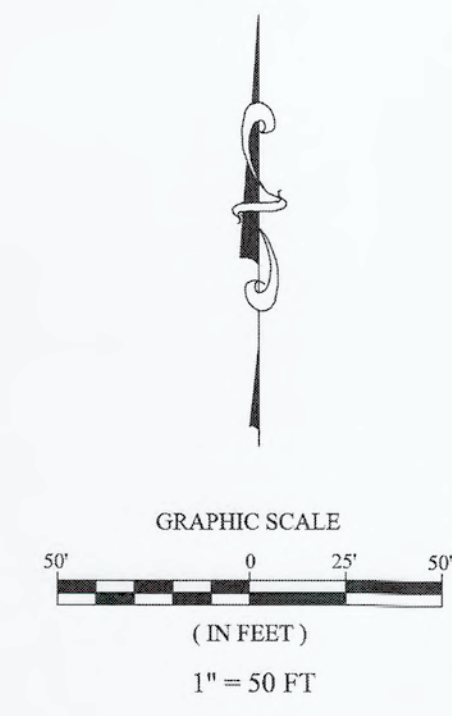
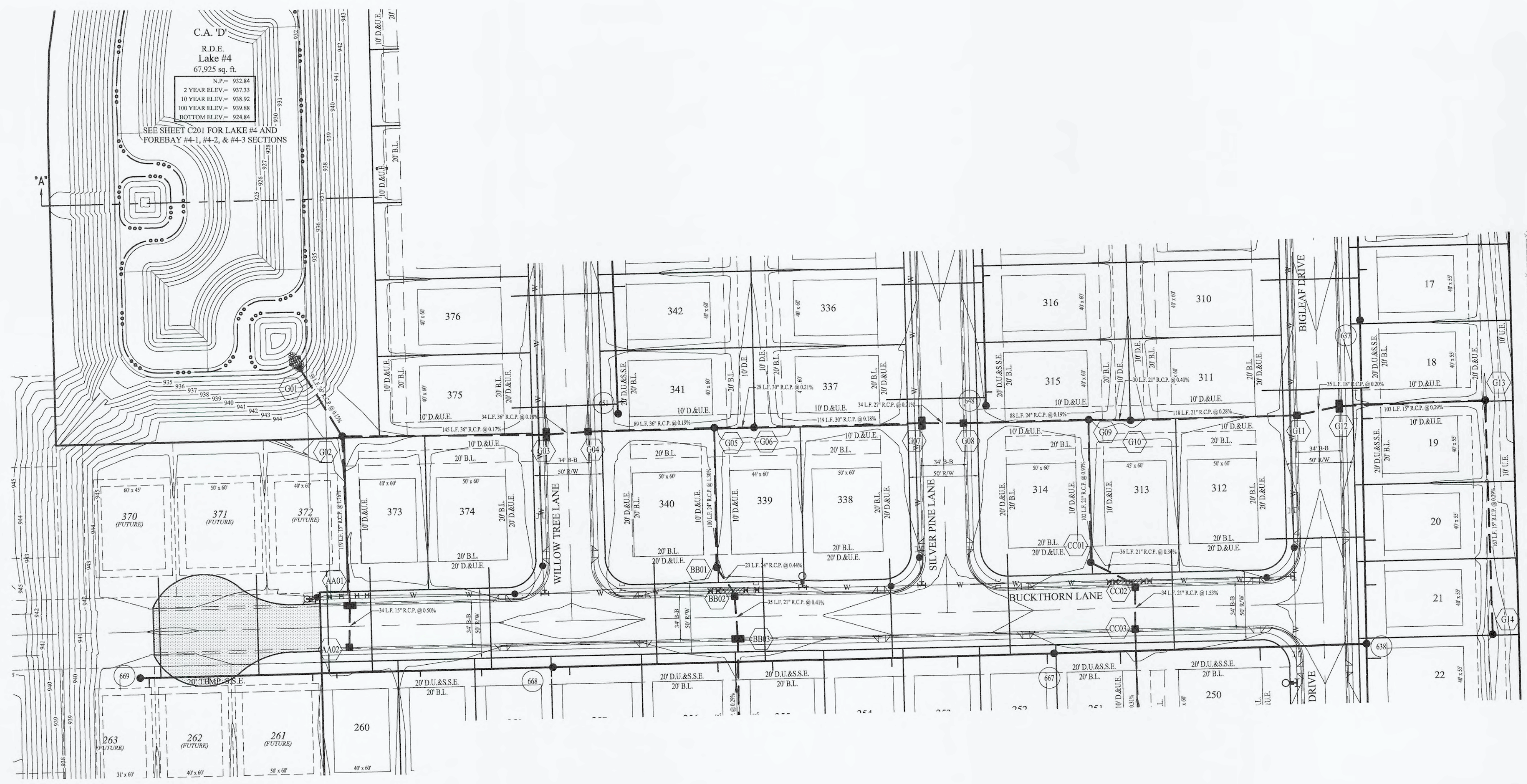
SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

DRAWN BY: ADG
 CHECKED BY: BKR
 SHEET NO. C503
 S & A JOB NO. 51510ARB-S4

REGISTERED LAND SURVEYOR
 No. 900012
 STATE OF INDIANA
 DENNIS D. OLMSTEAD
 6/14/2021

RECORD DRAWING

File Name: S:\51510ARB-S4\DWG\C600 Storm Sewer Plan & Profile.dwg - C601
 Modified / By: May 26, 2021 9:29:31 AM / mevarns
 Plotted / By: May 26, 2021 9:30:50 AM / Michael Evans



- LEGEND**
- EXISTING SANITARY SEWER (w/ LATERALS)
 - EXISTING STORM SEWER
 - W— EXISTING WATER LINE
 - PROPOSED SANITARY SEWER (w/ LATERALS)
 - PROPOSED STORM SEWER
 - W— PROPOSED WATER LINE
 - ▨ DENOTES FULL DEPTH GRANULAR BACKFILL

- NOTES**
1. ALL WATER MAINS SHALL MAINTAIN 18 INCHES VERTICAL CLEARANCE AND 10 FEET HORIZONTAL CLEARANCE.
 2. SEE SHEETS C802 - C804 FOR STRUCTURE DETAILS.

UTILITY CROSSINGS

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

THIS DRAWING IS NOT INTENDED TO BE ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

CERTIFIED: 03/XX/20

David J. Stoppelwirth

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
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STOEPPELWERTH

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STORM SEWER PLAN & PROFILE

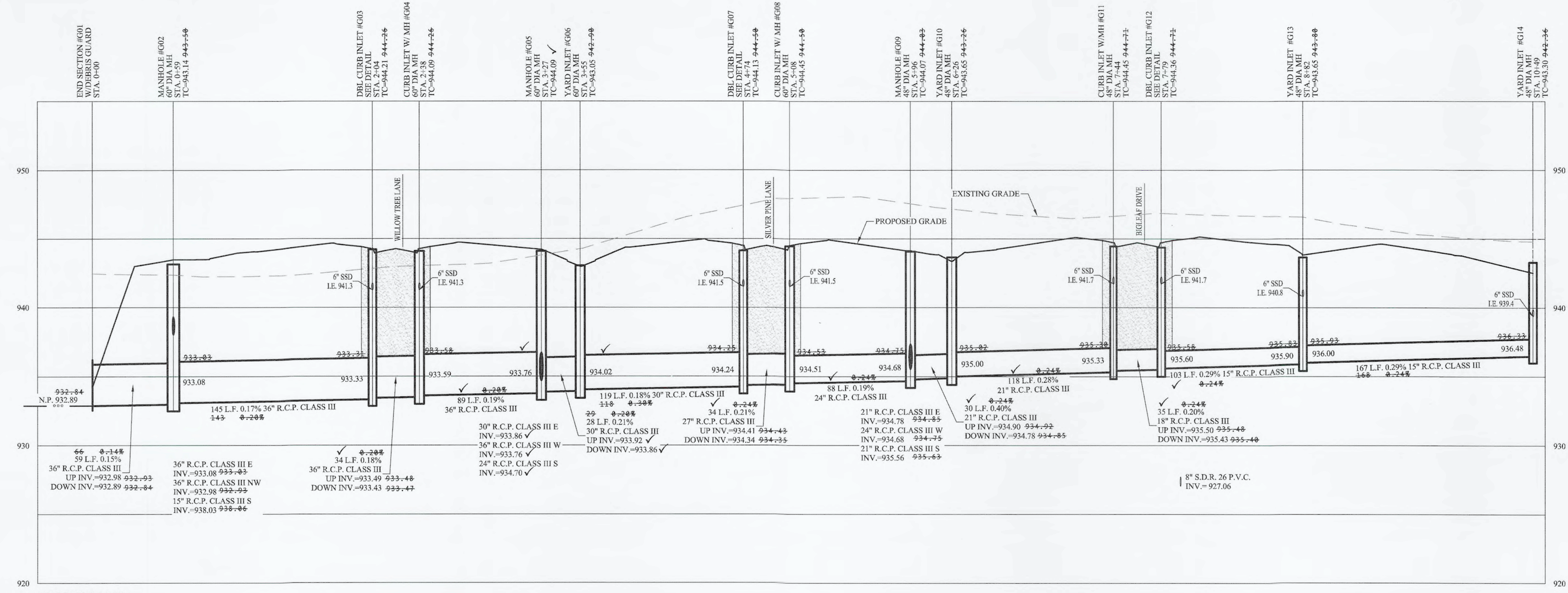
MAPLE RUN SECTION 4

SHERIDAN, ADAMS TOWNSHIP HAMILTON COUNTY, INDIANA

DRAWN BY: ADG CHECKED BY: BKR

SHEET NO. C601

S & A JOB NO. 51510ARB-S4

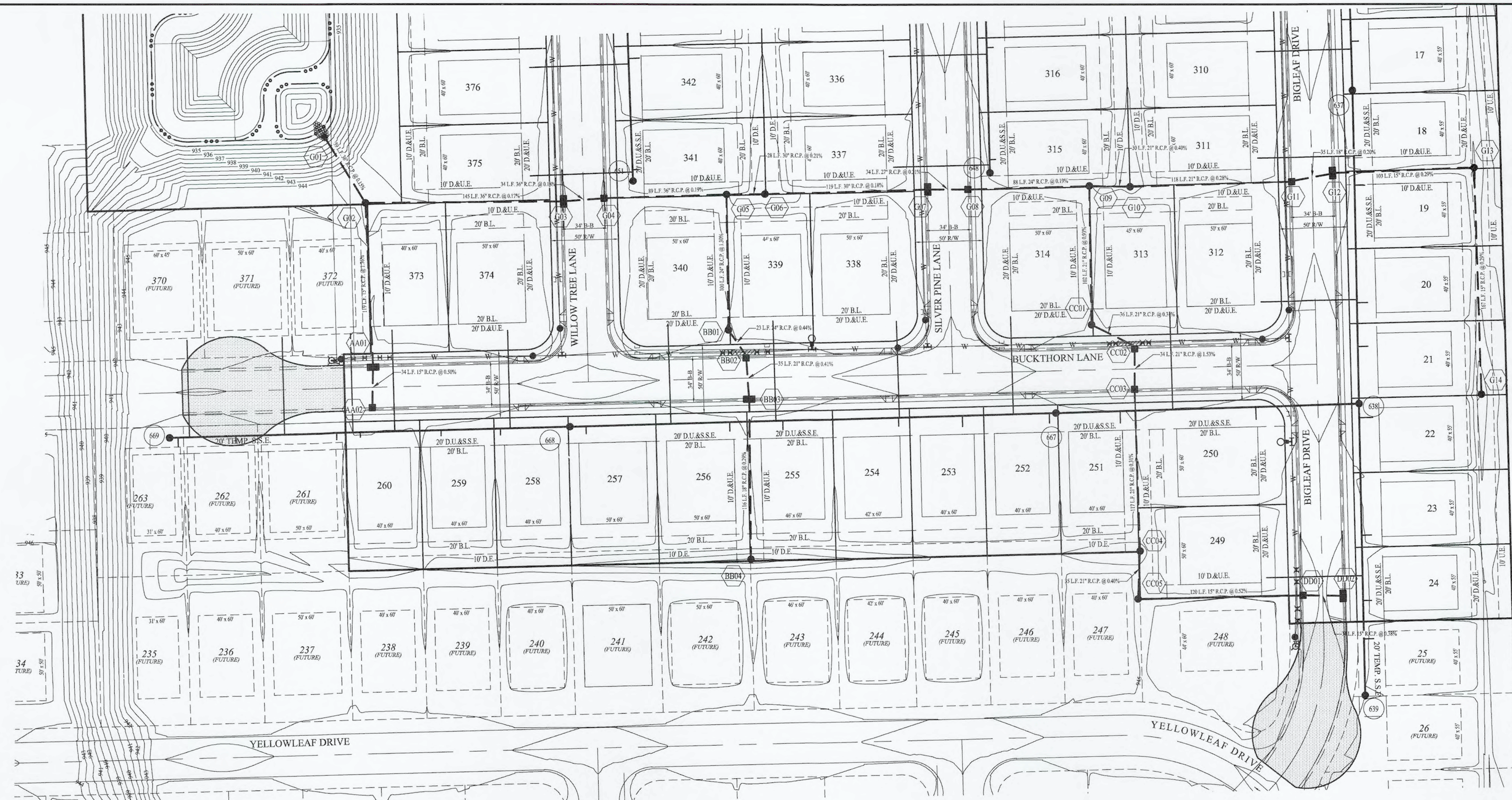


RECORD DRAWING

Signature: Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 State of Indiana



File Name: S:\51510ARB-S4\DWG\C602 Storm Sewer Plan & Profile.dwg - C602
 Modified / By: May 26, 2021 9:29:31 AM / mevwans
 Plotted / By: May 26, 2021 9:31:11 AM / Michael Evans



LEGEND

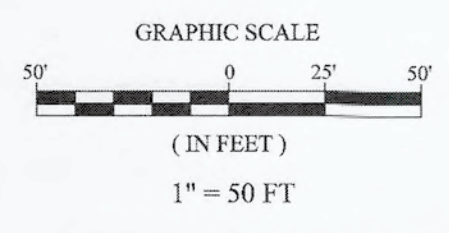
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- EXISTING STORM SEWER
- EXISTING WATER LINE
- PROPOSED SANITARY SEWER (w/ LATERALS)
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- DENOTES FULL DEPTH GRANULAR BACKFILL

NOTES

- ALL WATER MAINS SHALL MAINTAIN 18 INCHS VERTICAL CLEARANCE AND 10 FEET HORIZONTAL CLEARANCE.
- SEE SHEETS C802 - C804 FOR STRUCTURE DETAILS.

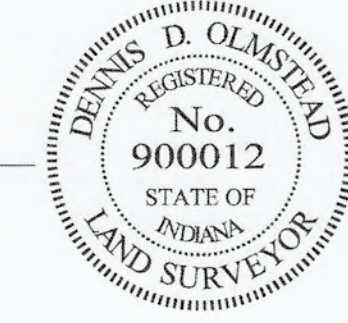
UTILITY CROSSINGS

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.



RECORD DRAWING

D.D.O.
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012



DATE	MARK	REVISIONS
03/27/21	ASC	BUILTS
06/19/20	DATE	MARK

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY. A REPORT REPORT.

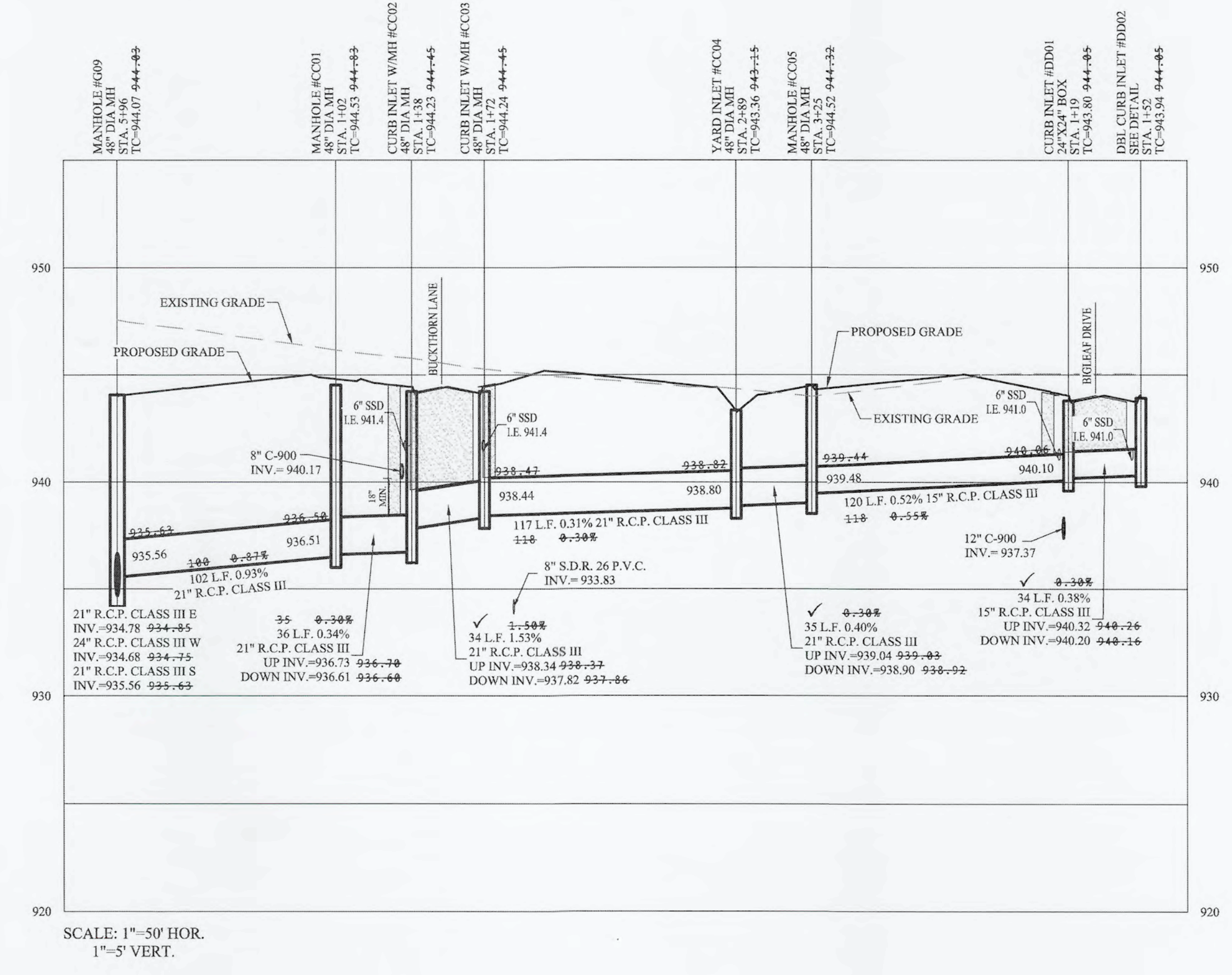
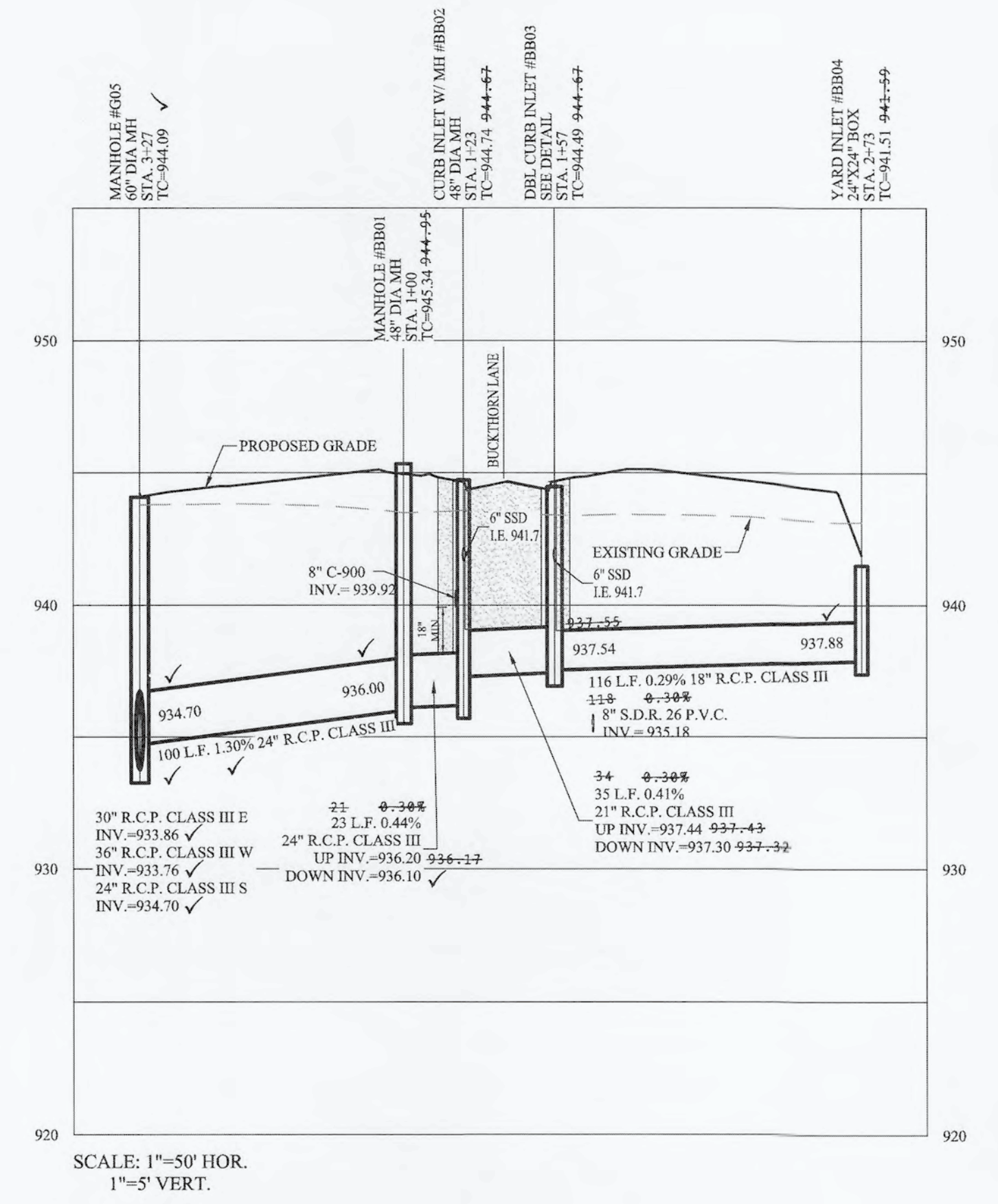
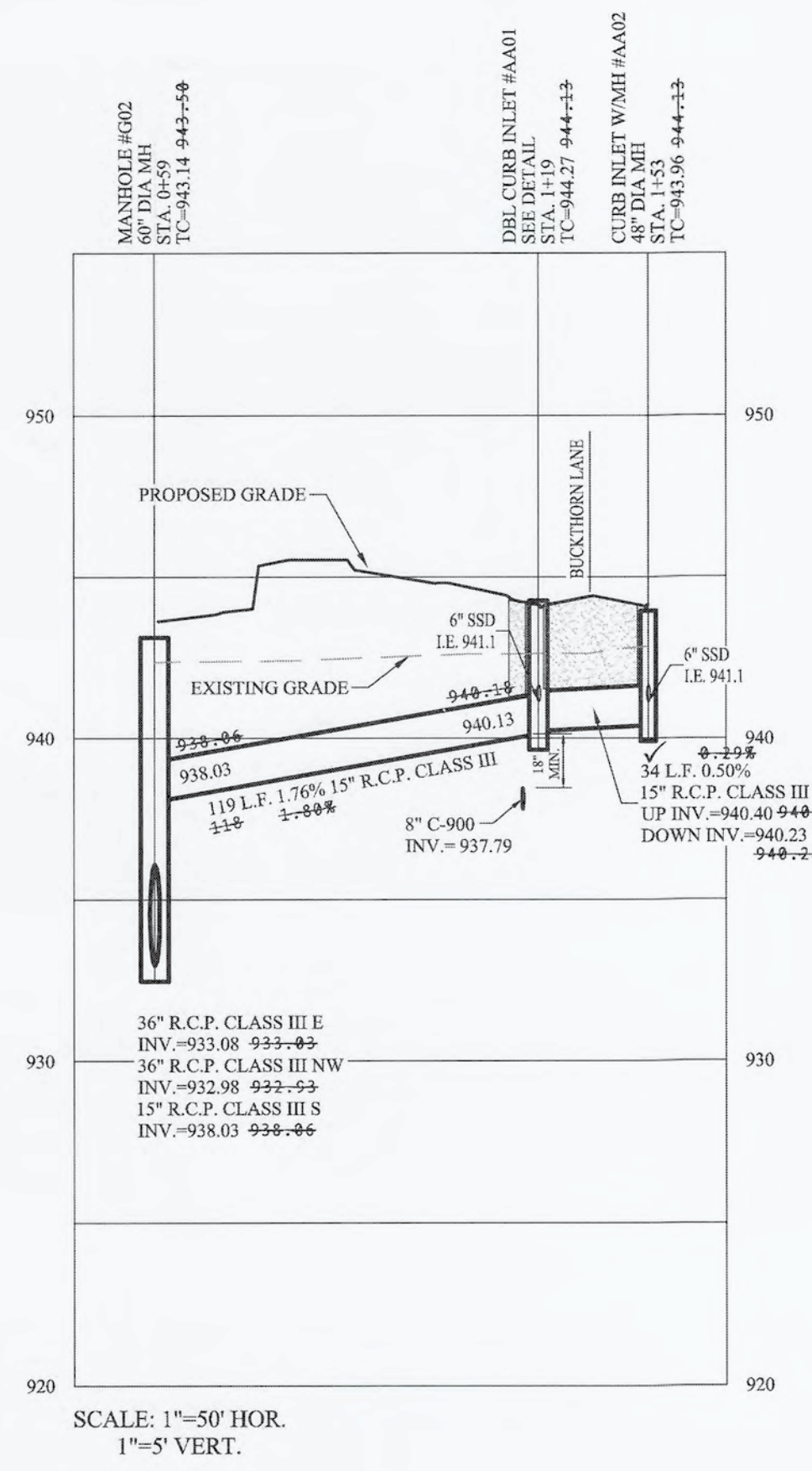
David J. Stoppelwerth
 David J. Stoppelwerth
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
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STORM SEWER PLAN & PROFILE
MAPLE RUN
SECTION 4
 SHERIDAN, ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

DRAWN BY: ADG
 CHECKED BY: BKR
 SHEET NO. **C602**
 S & A JOB NO. 51510ARB-S4

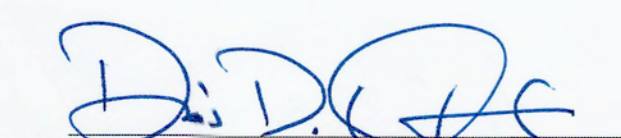


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 May 26, 2021 9:29:31 AM / mevens
 May 26, 2021 8:31:19 AM / Michael Evans

File Name:
 Modified / By:
 Plotted / By:

STORM SEWER STRUCTURE TABLE											
STR.#	CALLOUT	STR. TYPE	T.C.	CASTING TYPE	DIA. IN	DIR. IN	INV. IN	DIA. OUT	DIR. OUT	INV. OUT	SLOPE
AA01	DBL CURB INLET	SEE DETAIL	944.27	EJ-7495-M2/M1	15	S	940.23	15	N	940.13	1.76%
AA02	CURB INLET W/MH	48" DIA MH	943.96	EJ-7495-M2				15	N	940.40	0.50%
BB01	MANHOLE	48" DIA MH	945.34	EJ-1076	24	SE	936.10	24	N	936.00	1.30%
BB02	CURB INLET W/MH	48" DIA MH	944.74	EJ-7495-M2	21	S	937.30	24	NW	936.20	0.44%
BB03	DBL CURB INLET	SEE DETAIL	944.49	EJ-7495-M2/M1	18	S	937.54	21	N	937.44	0.41%
BB04	YARD INLET	24"x24" BOX	941.51	EJ-6489N				18	N	937.88	0.29%
CC01	MANHOLE	48" DIA MH	944.53	EJ-1076	21	SE	936.61	21	N	936.51	0.93%
CC02	CURB INLET W/MH	48" DIA MH	944.23	EJ-7495-M1	21	S	937.82	21	NW	936.73	0.34%
CC03	CURB INLET W/MH	48" DIA MH	944.24	EJ-7495	21	S	938.44	21	N	938.34	1.53%
CC04	YARD INLET	48" DIA MH	943.36	EJ-6489N	21	S	938.90	21	N	938.80	0.31%
CC05	MANHOLE	48" DIA MH	944.52	EJ-1076	15	E	939.48	21	N	939.04	0.40%
DD01	CURB INLET	24"x24" BOX	943.80	EJ-7495-M2	15	E	940.20	15	W	940.10	0.52%
DD02	DBL CURB INLET	SEE DETAIL	943.94	EJ-7495-M2/M1				15	W	940.32	0.38%
F01	END SECTION	W/DEBRIS GUARD	935.68		30	E	932.80				
F02	DBL CURB INLET	SEE DETAIL	944.19	EJ-7495-M2/M1	30	E	933.64	30	W	933.54	0.45%
F03	DBL CURB INLET	SEE DETAIL	944.06	EJ-7495-M2/M1	30	E	933.95	30	W	933.85	0.62%
F04	YARD INLET	60" DIA MH	943.10	EJ-6489N	30	E	934.62	30	W	934.52	0.48%
F05	DBL CURB INLET	SEE DETAIL	944.48	EJ-7495-M2/M1	27	E	934.90	30	W	934.80	0.15%
F06	DBL CURB INLET	SEE DETAIL	944.62	EJ-7495-M2/M1	24	E	935.06	27	W	934.96	0.18%
F07	YARD INLET	48" DIA MH	943.29	EJ-6489N	21	E	935.36	24	W	935.26	0.17%
F08	DBL CURB INLET	SEE DETAIL	944.43	EJ-7495-M2/M1	18	E	937.15	21	W	935.71	0.30%
F09	DBL CURB INLET	SEE DETAIL	944.58	EJ-7495-M2/M1	18	E	937.45	18	W	937.35	0.59%
F10	YARD INLET	48" DIA MH	943.80	EJ-6489N				18	W	938.07	0.61%
G01	END SECTION	W/DEBRIS GUARD	936.31		36	SE	932.89				
G02	MANHOLE	60" DIA MH	943.14	EJ-1076	36	S	933.08	36	NW	932.98	0.15%
G03	DBL CURB INLET	SEE DETAIL	944.21	EJ-7495-M2/M1	36	E	933.43	36	W	933.33	0.17%
G04	CURB INLET W/MH	60" DIA MH	944.09	EJ-7495-M1	36	E	933.59	36	W	933.49	0.18%
G05	MANHOLE	60" DIA MH	944.09	EJ-1076	30	S	933.86	36	W	933.76	0.19%
G06	YARD INLET	60" DIA MH	943.05	EJ-6489N	30	E	934.02	30	W	933.92	0.21%
G07	DBL CURB INLET	SEE DETAIL	944.13	EJ-7495-M2/M1	27	E	934.34	30	W	934.24	0.18%
G08	CURB INLET W/MH	60" DIA MH	944.45	EJ-7495-M2/M1	24	E	934.51	27	W	934.41	0.21%
G09	MANHOLE	48" DIA MH	944.07	EJ-1076	21	S	934.78	24	W	934.68	0.19%
G10	YARD INLET	48" DIA MH	943.65	EJ-6489N	21	E	935.00	21	W	934.90	0.40%
G11	CURB INLET W/MH	48" DIA MH	944.45	EJ-7495-M1	18	E	935.43	21	W	935.33	0.28%
G12	DBL CURB INLET	SEE DETAIL	944.36	EJ-7495-M2/M1	15	E	935.60	18	W	935.50	0.20%
G13	YARD INLET	48" DIA MH	943.65	EJ-6489N	15	S	936.00	15	W	935.90	0.29%
G14	YARD INLET	48" DIA MH	943.30	EJ-6489N				15	N	936.48	0.29%

RECORD DRAWING


 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 6/14/2021

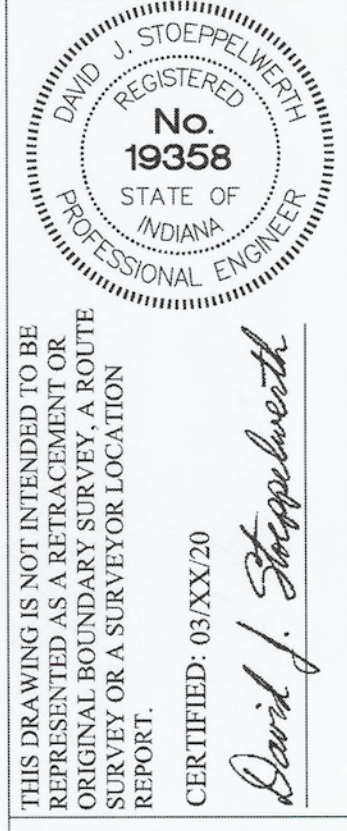


STORM SEWER STRUCTURE DATA TABLE

MAPLE RUN
SECTION 4

SHERIDAN, ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA

DRAWN BY: ADG
 CHECKED BY: BKR
 SHEET NO. C603
 S & A JOB NO. 51510ARB-S4

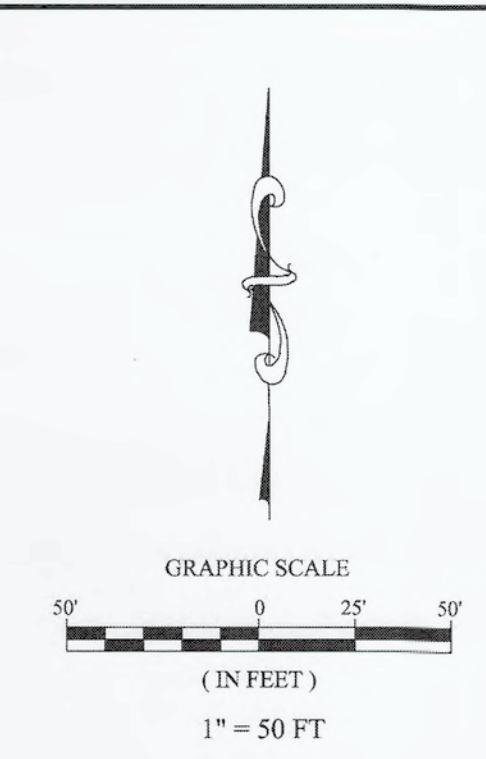


THIS DRAWING IS NOT INTENDED TO BE
 REPRODUCED AS A REFERENCE OR
 FOR CONSTRUCTION WITHOUT THE
 SURVEY OR A SURVEYOR LOCATION
 REPORT.
 CERTIFIED: 03/XX/20
 David J. Stoppelwirth

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DATE	MARK	BY
03/22/21		MJE
06/19/20		DT
		REVISIONS

File Name: S:\1510ARB-S4\DWG\C604 Sub-Surface Drain Plan.dwg - C604
 Modified / By: May 26, 2024 8:40:41 AM / mevans
 Plotted / By: May 26, 2024 8:40:52 AM / Michael Evans



LEGEND

- EXISTING SANITARY SEWER (w/ LATERALS)
- EXISTING STORM SEWER
- EXISTING WATER LINE
- PROPOSED SANITARY SEWER (w/ LATERALS)
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- PROPOSED CURB w/ 6" UNDERDRAIN
- PROPOSED 6" SUB-SURFACE DRAIN (WHERE SHOWN ON PLANS)

NOTES

- SEE SHEET C803 FOR SWALE SUB-SURFACE DRAIN DETAILS.
- SEE SHEET C809 FOR CURB UNDERDRAIN DETAIL.

UTILITY CROSSINGS

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

NO.	DATE	MARK	REVISIONS
AS BUILTS	05/26/24		REVISED WATER PLANS & PROFILES
	06/19/20		

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR REVISION OF ANY PREVIOUS SURVEY OR A SURVEYOR LOCATION REPORT.

CERTIFIED: 05/XX/20

David J. Stoppelwerth

DAVID J. STOPPELWERTH
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SUB-SURFACE DRAIN/SUMP PUMP LOCATION

MAPLE RUN SECTION 4

SHERIDAN, ADAMS TOWNSHIP HAMILTON COUNTY, INDIANA

DRAWN BY: ADG CHECKED BY: BKR

SHEET NO. **C604**

S & A JOB NO. 51510ARB-S4

RECORD DRAWING

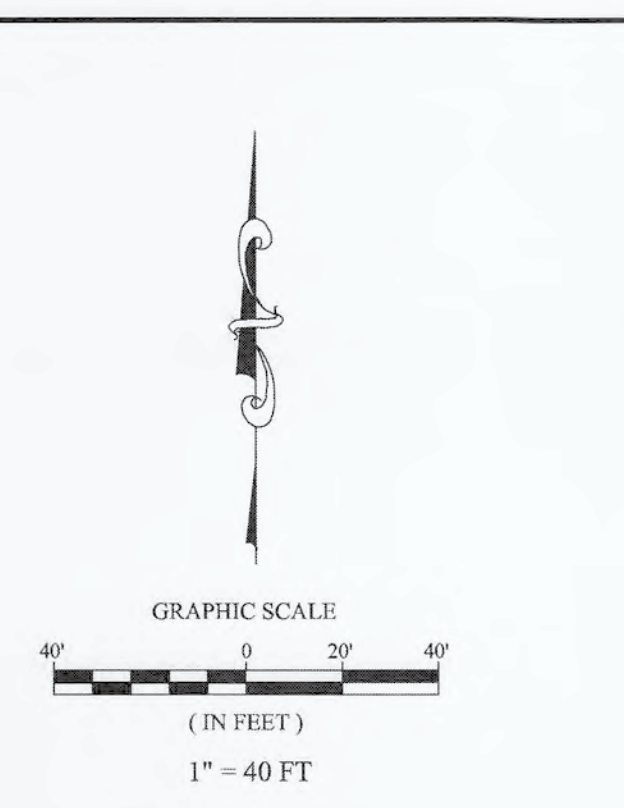
D.O.

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012

6/17/2021

DENNIS D. OLMSTEAD
 REGISTERED
 No. 900012
 STATE OF INDIANA
 LAND SURVEYOR

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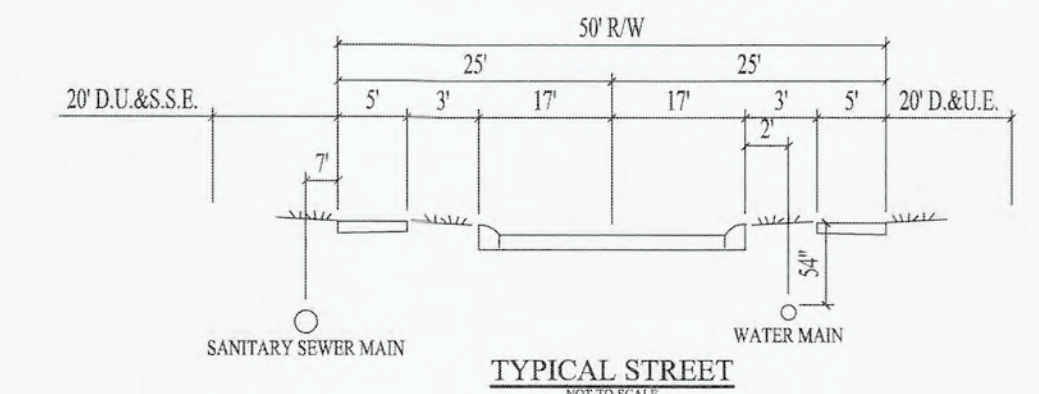
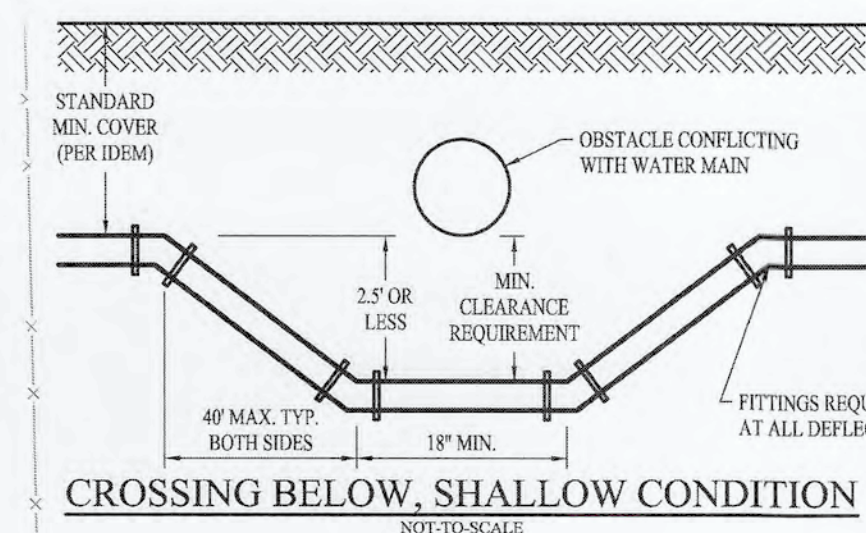


WATER MAIN PIPE TABLE

SIZE	MATERIAL	LENGTH
8"	PVC C-900 DR-14, HDPE DR-11, or D.I. THICKNESS CLASS 52	1,992 L.F.
12"	PVC C-900 DR-14, HDPE DR-11, or D.I. THICKNESS CLASS 52	855 L.F.
TOTAL LENGTH		2,847 L.F.

- PLAN NOTES:**
1. WATER MAIN PIPE SHALL BE PVC C-900 DR-14, HDPE DR-11, OR D.I. THICKNESS CLASS 52. THE PIPE MATERIAL AND PRESSURE CLASS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION BASED ON COST OF EACH AT THAT TIME.
 2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2' (24") OF HORIZONTAL SEPARATION FROM THE OUTSIDE OF THE STORM STRUCTURE AND CENTER A FULL LENGTH OF 20' OF PVC (OR DUCTILE IRON) PIPE ON SAID STORM STRUCTURE.

- WATER UTILITY INSTALLATION NOTES**
1. INSTALLATION OF WATER MAINS, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH INDIANA WATER STANDARDS AND SPECIFICATIONS, LATEST REVISION.
 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION, SIZE, AND MATERIAL OF THE EXISTING WATER MAIN PRIOR TO CONSTRUCTION.
 3. FOR PVC C-900 PIPE INSTALLATION, DR-14 PIPE IS REQUIRED. DEFLECTION OF PIPE JOINTS AND BENDING OF PIPES ARE NOT PERMITTED. ALL ANGLES SHALL BE MADE WITH PROPER FITTINGS. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, ALL JOINTS SHALL BE RESTRAINED WITH EXTERNAL SPLIT SERATED RESTRAINT HARNESSSES. SELECT FILL MATERIAL REQUIRED FOR BEDDING AND EMBEDMENT REGARDLESS OF PIPES PROXIMITY TO PAVEMENT.
 4. FOR DUCTILE IRON PIPE INSTALLATION, THICKNESS CLASS 52 FOR PIPES 12-INCH NOMINAL SIZE AND SMALLER. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, PUSH-ON RESTRAINING GASKETS WITH INTEGRAL STAINLESS STEEL LOCKING SEGMENTS ARE PERMITTED ON PIPE-TO-PIPE CONNECTIONS 12-INCH NOMINAL SIZE AND SMALLER ONLY. PIPE-TO-PIPE CONNECTIONS GREATER THAN 12-INCH NOMINAL SIZE SHALL BE RESTRAINED PER SPECIFICATION SECTION 15105.
 5. ENCASE ALL DUCTILE IRON PIPING, DUCTILE IRON FITTINGS, VALVES, HYDRANTS, AND ALL OTHER METALLIC APPURTENANCES IN 12" MIN. POLYETHYLENE.
 6. ALL FIRE HYDRANT LATERALS SHALL BE DUCTILE IRON PIPE.
 7. ALL M/T-BOLTS AND FLANGE BOLTS SHALL HAVE NYLON OR FLUOROKOTE #1 CORROSION RESISTANT COATING.
 8. ALL FITTINGS SHALL BE RESTRAINED USING M/T RETAINER GLANDS OR POURED CONCRETE THRUST BLOCKS.
 9. COPPER-CLAD STEEL TRACER WIRE REQUIRED ON INSTALLATION OF ALL PIPE. TRACER WIRE SHALL BE TAPED TO PIPE OR POLYETHYLENE ENCASEMENT AT A MINIMUM SPACING OF 10-FEET. SPACES SHALL BE ENCASED IN WATERPROOF CONNECTORS. CONTINUITY SHALL BE TESTED AFTER COMPLETION OF BACKFILL.
 10. SELECT FILL MATERIAL REQUIRED FOR FINAL BACKFILL WHEN WITHIN 5-FEET OF PAVEMENT PER SPECIFICATION SECTION 02210.
 11. MAINTAIN THE REQUIRED 10- FEET OF HORIZONTAL SEPARATION AND 18-INCHES OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS. MAINTAIN 6- FEET OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-3.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION UNLESS OTHERWISE NOTED.
 12. 12" & 8" WATER MAIN TO BE INSTALLED AT A MINIMUM DEPTH OF 4'-5" (24") UNLESS OTHERWISE SPECIFIED.



RECORD DRAWING

This is to certify the Record Drawing of the water system for Maple Run, Section 4, was prepared according to the actual locations of the valves, hydrants and other surface evidence collected by Stoepelwerth and Associates along with field notes from the contractor and is in general conformance with the approved plan dated 04/01/20.

David J. Stoepelwerth
 DENNIS D. OLMSTEAD
 Registered Land Surveyor
 No. 900012
 6/14/2021



The ASBUILT DRAWINGS for Maple Run, Section 4, are, to the best of my knowledge and belief, a true and correct representation of the system installation, easements and rights of way. The location of mains, hydrants and valves are in accordance with the approved plans dated 04/01/20, and certified by David J. Stoepelwerth-Stoepelwerth and Associates, Inc. and the Indiana American technical specification for Developer Installed Mains.

David J. Stoepelwerth
 DAVID J. STOEPPELWERTH
 Professional Engineer
 No. 19358



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WATER PLAN
MAPLE RUN
SECTION 4

REVISIONS

NO.	DATE	MARK	REVISIONS
AS BUILTS	06/15/21		REVISED WATER PLANS & PROFILES
01	06/15/21		DATE
02			MARK
03			REVISIONS

DRAWN BY: ADG CHECKED BY: BKR
 SHEET NO: C700
 S & A JOB NO: 51510ARB-S4